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UNIVERSITÄT  
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TECHNOLOGY**

Interactive Media Systems Group

**Institute of Software Technology and Interactive Systems  
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**"STUDY OF THE EMOTIONS OF  
PEOPLE PLAYING COMPUTER  
GAMES BY  
ANVIL TOOL"**

**BSc Project**

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# 1. INTRODUCCIÓN

## 1.1 Motivación

Podemos clasificar las emociones que puede tener una persona en varios grupos (interés, felicidad, humor, sorpresa, ansiedad, hostilidad, asco, ira, tristeza, amor, ect...) y los videojuegos pueden producir estas emociones en las personas.

Las características básicas de los videojuegos son el control de las situaciones que se presentan, la facilidad para conseguir los objetivos que nos proponemos, la inmediatez de los refuerzos y la motivación lúdica de su uso. Estas características son muy difíciles que existan en otra actividad de nuestra vida diaria por ello, el mal uso de los videojuegos puede crear serios problemas emocionales y adaptativos, sobre todo en los niños que no diferencien la realidad de la virtualidad.

La realidad virtual se podría definir como un sistema informático que genera en tiempo real representaciones de la realidad, que de hecho no son más que ilusiones ya que se trata de una realidad perceptiva sin ningún soporte físico y que únicamente se da en el interior de los ordenadores.

Por otro lado el uso de los videojuegos también puede ser muy positivo llegando a ser un laboratorio social porque al ser un lugar controlado, puede servir para experimentar y liberar las emociones que nos acongojan.

## 1.2 Objetivos

El objetivo principal de este proyecto es el análisis de las emociones que experimenta la gente mientras juega a videojuegos por computador. Se trata de estudiar cómo y por qué los videojuegos (de ordenador) provocan emociones y cuáles son los efectos de esa interacción emocional para las personas.

Para realizar este estudio, varias personas de diversos países, culturas y lenguas han sido grabadas mientras jugaban a videojuegos.

Los videos correspondientes a estas grabaciones serán analizados mediante la herramienta ANVIL. Con esta herramienta serán analizados alrededor de 6 Gb de videos en los que se podrá ver a diversas personas jugando a videojuegos por computador, anotando las palabras y expresiones exactas que pronuncian durante el transcurso de cada video (traduciéndolas a la lengua inglesa) y marcando el estado emocional en cada momento.

Los estados emocionales posibles son los siguientes:

1-neutral, 2-sorprendido, 3-feliz, 4-muy feliz, 5-relajado, 6-muy relajado, 7-

aburrido, 8-triste, 9-muy triste, 10-asustado, 11-muy asustado, 12-enfadado, 13-muy enfadado, 14-indefinido.

Con los datos obtenidos se extraerán las conclusiones y estadísticas pertinentes.

### **1.3 Consideraciones previas**

Este proyecto forma parte de un estudio que está siendo realizado por el departamento de realidad virtual (Interactive Media Systems Group) de la universidad técnica de Viena (Technische Universität Wien). El departamento forma parte del "Instituto de tecnología del software y sistemas interactivos" de esta universidad. El proyecto estaba ofertado para los estudios de "Media Informatics" y de "Medical Informatics". Como alumno de intercambio (erasmus) de esta universidad, contribuyo realizando una parte de este amplio estudio en forma de proyecto. Mi tarea consistirá en realizar el análisis de los videos de habla hispana debido a la dificultad que suponía para los profesores de este departamento entender el contenido de estos videos. Con los datos obtenidos se extraerán las conclusiones y estadísticas pertinentes.

Una vez finalizado el proyecto, éste pasa a manos del jefe del departamento de realidad virtual de la "Technische Universität Wien", Dalibor Mitrovic (mi director del proyecto en esta universidad) para que los datos obtenidos sean unidos al amplio estudio que se está realizando.

Tengo que destacar que en esta universidad no me pidieron la realización de la memoria para completar el proyecto, sino que tuve que entregar el software con los videos modificados y éstos fueron evaluados para la obtención de la nota del proyecto, por lo que esta memoria ha sido realizada voluntariamente para su entrega en mi universidad de origen, la Universidad politécnica de Valencia, para su posible uso privado y/o con fines de investigación y docencia. Por este motivo, la mayor parte de la memoria está redactada en español salvo las exportaciones obtenidas de la herramienta con la que realizaba el proyecto.

Los videos están disponibles en el mismo CD en el que está integrada esta memoria.

La manera de visualizar los videos para poder ver el trabajo realizado y la parte práctica de este proyecto será explicada en el anexo 1 de esta memoria.

## 1.4 Estructura de la memoria

En el **segundo capítulo** haré una breve introducción a la herramienta ANVIL ya que es la herramienta que utilizo para la realización de este proyecto. Describiré el comportamiento de esta herramienta así como sus usos más comunes.

En el **tercer capítulo** empezaré a mostrar el estudio de los videos de la gente mientras juega a videojuegos por computador. En este apartado se analizarán seis videos de seis personas diferentes jugando a un juego de acción. De estos seis videos se extraen las estadísticas pertinentes. Sobre este tipo de juegos, el análisis será más extenso ya que estos juegos son los que más emociones pueden producir en las personas.

En el **cuarto capítulo** se analizará un solo video sobre juegos de estrategia. Este tipo de juego no resaltaba muchas emociones sobre las personas que jugaban a él, por lo que se dio por finalizado el estudio para este tipo de juego.

En el **quinto capítulo** nos adentramos en el estudio de las emociones de la gente mientras juega a videojuegos de simulación, en concreto un juego de carreras de coches. Se analizan cuatro videos y se muestran las estadísticas obtenidas.

En el **sexto capítulo** se exponen las conclusiones del presente proyecto.

En el **séptimo capítulo** cito la bibliografía utilizada para este proyecto.

En el **octavo capítulo** adjunto un anexo explicando como poder ver los videos que componen este proyecto.

## 2. INTRODUCCIÓN A ANVIL

ANVIL es una herramienta de investigación y anotación de video libre que se puede descargar por encargo. Ofrece múltiples capas de anotación basadas en un esquema de codificación definido por el usuario. Durante la codificación el usuario puede ver elementos de un código de colores sobre varias grabaciones al mismo tiempo. Algunas características especiales son enlaces entre los diferentes niveles, objetos no temporales, grabaciones de tiempo contado, análisis de acuerdos de código y una herramienta de proyecto para la gestión total de archivos de anotaciones. Originalmente desarrollado para la investigación de gestos en el año 2000, ANVIL está siendo utilizado en muchas áreas de investigación incluyendo la interacción hombre-máquina, la lingüística, la etología, la antropología, la psicoterapia, encarnado agentes, la animación por ordenador y la oceanografía.



*Ilustración 1: Ejemplo de funcionamiento de ANVIL*

ANVIL puede importar datos de herramientas fonéticas como Praat que permiten una transcripción del habla precisa y cómoda. ANVIL puede mostrarse en forma de onda y de contorno de campo. Los archivos de datos de ANVIL están basados en XML. Las tablas exportadas puedan ser utilizadas para el análisis mediante conjuntos de herramientas estadísticas, como SPSS. La próxima versión también será capaz de importar archivos ELAN.

ANVIL está escrito en Java y se ejecuta en plataformas Windows, Macintosh y Unix.



## **3. VIDEOJUEGOS DE ACCIÓN**

### **3.1 Introducción a los videojuegos de acción**

Un videojuego de acción es un videojuego que desafía la velocidad, destreza y tiempo de reacción del jugador. El género de acción es el más amplio y abarcador del mundo de los videojuegos, englobando muchos subgéneros como videojuegos de lucha, videojuegos de disparos en primera persona, beat 'em ups y videojuegos de plataformas.

Los videojuegos de acción generalmente incluyen elementos violentos como su principal característica de interacción, especialmente combate con armas de fuego o cuerpo a cuerpo.

Si bien el objetivo de un videojuego de acción varía de videojuego a videojuego, éste generalmente implica avanzar a través de niveles, eliminando hordas de enemigos y resolviendo problemas. Muchos videojuegos incluyen uno o más "jefes", a veces precedidos por "minijefes". Un minijefe es generalmente el clímax hacia un nivel o serie de niveles, con un jefe al final del juego o periódicamente por el juego, llevando a un "jefe final", el cual derrotar es el objetivo principal del videojuego.

Los jefes son generalmente derrotados mediante el "reconocimiento de patrones" y la velocidad de reacción física. En la mayor parte de los videojuegos viejos e inclusive algunos modernos, los jefes son programados con un patrón de ataques simple o movimientos que el jugador aprende a través de la experiencia. Estos patrones simples a menudo abarcan combos que exigen al jugador saltar, esquivar o bloquear un ataque y entonces atacar en ciertos puntos para hacer daño, todo esto esperando o manejando el tiempo de los patrones para poder atacar.

Ciertos estudios han demostrado que la gente puede mejorar su visión jugando videojuegos de acción. Pruebas llevadas a cabo por científicos de la Universidad de Rochester en estudiantes indicaron que en un período de un mes el rendimiento de los exámenes oculares mejoraba un 20% en aquellos que jugaban Unreal Tournament en comparación con aquellos que jugaban Tetris. Se cree que esto se debe a que el videojuego de acción mejora la resolución espacial de la visión de los jugadores.

En los siguientes seis videos vamos a analizar el comportamiento de seis personas diferentes jugando a un mismo juego de acción, estudiando sus estados emocionales en cada instante y anotando las palabras que pronuncian mientras están concentrados en el juego.

## 3.2 Juanjo en videojuegos de acción

Juanjo es un hombre de 28 años. Habla en español. Estos son los resultados obtenidos después de analizar un video en el que Juanjo estaba jugando a un videojuego de acción durante unos 20 minutos aproximadamente. La primera columna indica el segundo en el video en el que empieza el estado emocional, la segunda el segundo en el que termina este estado, la tercera la duración en segundos del estado emocional y la cuarta el tipo de estado emocional o la frase pronunciada según la tabla.

Emociones que siente (Emotions Feeltrace):

start	end	duration	Emotion Type
0.36	14.6	14.24	neutral
14.68	15.44	0.76	surprised
15.52	31.92	16.4	neutral
32	32.12	0.12	happy
32.28	32.32	0.04	happy
32.52	34.04	1.52	happy
34.08	39.4	5.32	neutral
39.64	42.2	2.56	angry
42.72	43.68	0.96	neutral
43.72	47.6	3.88	angry
47.92	48.92	1	neutral
49.08	51.88	2.8	happy
52	58	6	neutral
58.28	59.52	1.24	angry
59.6	66.6	7	neutral
66.68	68	1.32	happy
68.12	68.48	0.36	neutral
68.52	71.16	2.64	happy
71.32	89.44	18.12	neutral
89.52	96.8	7.28	happy
97.08	100.24	3.16	neutral
100.32	102.88	2.56	surprised
103.08	118.36	15.28	neutral
118.64	120.44	1.8	surprised
120.6	123.84	3.24	happy
123.96	147.44	23.48	neutral
147.48	157.56	10.08	relaxed

157.56	174.96	17.4	neutral
175.16	178.24	3.08	happy
178.36	179.4	1.04	neutral
179.64	183	3.36	angry
183.24	185.24	2	neutral
185.44	187.2	1.76	angry
187.48	205.6	18.12	neutral
205.76	205.8	0.04	angry
205.92	206	0.08	angry
206.2	217.44	11.24	angry
217.68	241.76	24.08	neutral
241.84	247.2	5.36	surprised
247.36	254.04	6.68	neutral
254.2	257.8	3.6	surprised
258.04	261.84	3.8	happy
261.92	265.04	3.12	neutral
265.12	265.2	0.08	angry
265.32	270.6	5.28	angry
270.68	299.72	29.04	neutral
299.8	300.16	0.36	relaxed
300.28	300.36	0.08	neutral
300.52	301.64	1.12	bored
301.72	352.52	50.8	neutral
352.72	355.4	2.68	surprised
355.52	400.88	45.36	neutral
401	405.84	4.84	surprised
405.96	415	9.04	neutral
415.08	417.04	1.96	surprised
417.24	442.28	25.04	neutral
442.52	446.52	4	surprised
446.76	452.72	5.96	neutral
452.84	460.48	7.64	angry
460.8	486.44	25.64	neutral
486.76	490.72	3.96	angry
490.92	491.52	0.6	neutral
491.6	495.36	3.76	angry
495.52	510.4	14.88	neutral
510.6	519.48	8.88	angry
519.76	534.8	15.04	neutral
535	545.6	10.6	angry
546.04	572.88	26.84	neutral

573.08	589.56	16.48	angry
589.64	591.56	1.92	neutral
591.76	599.28	7.52	angry
599.36	677.4	78.04	neutral
677.64	678.56	0.92	surprised
678.64	705.24	26.6	neutral
705.64	707.44	1.8	happy
707.52	709.04	1.52	neutral
709.16	713.48	4.32	surprised
714.08	718	3.92	happy
718.12	718.92	0.8	neutral
719.32	719.56	0.24	happy
719.6	734.08	14.48	neutral
734.28	735.32	1.04	surprised
735.44	757.88	22.44	neutral
757.92	760.76	2.84	relaxed
760.84	763.44	2.6	neutral
763.56	767.8	4.24	happy
767.92	792.32	24.4	neutral
792.72	796	3.28	angry
796.04	817.84	21.8	neutral
817.96	820.12	2.16	angry
820.28	852.4	32.12	neutral
852.76	856.72	3.96	happy
856.8	865.4	8.6	neutral
865.56	868.48	2.92	surprised
868.64	872.56	3.92	neutral
872.68	874.48	1.8	surprised
874.72	880.2	5.48	neutral
880.28	882.84	2.56	surprised
883	889.76	6.76	neutral
889.8	889.84	0.04	happy
890.04	893.2	3.16	happy
893.44	911.96	18.52	neutral
912	912.04	0.04	happy
912.32	918.48	6.16	happy
918.56	929.72	11.16	neutral
929.92	930	0.08	happy
930.2	931.28	1.08	happy
931.72	941.4	9.68	happy
941.52	952.32	10.8	neutral

952.48	952.52	0.04	angry
952.68	952.72	0.04	angry
952.88	960.12	7.24	angry
960.28	961.32	1.04	neutral
961.44	967.48	6.04	surprised
968.04	970.2	2.16	angry
970.28	970.68	0.4	neutral
970.76	972.32	1.56	surprised
972.6	972.84	0.24	angry
972.88	975.24	2.36	surprised
975.56	975.6	0.04	happy
975.8	977.76	1.96	happy
977.84	980.48	2.64	neutral
980.72	984.92	4.2	angry
985.04	991.56	6.52	neutral
991.68	997.92	6.24	angry
998.04	1004.76	6.72	neutral
1004.88	1008.48	3.6	surprised
1008.6	1011.4	2.8	neutral
1011.44	1021.52	10.08	surprised
1021.72	1021.84	0.12	neutral
1022.16	1026.84	4.68	happy
1027.12	1027.16	0.04	angry
1027.36	1039.52	12.16	angry
1039.8	1068.92	29.12	neutral
1069.04	1083.68	14.64	happy
1083.76	1090.68	6.92	neutral
1090.88	1096.44	5.56	surprised
1096.52	1147.92	51.4	neutral
1147.96	1153.48	5.52	surprised
1153.92	1193	39.08	neutral

Emociones filtradas (Emotions Filtered):

<b>start</b>	<b>end</b>	<b>duration</b>	<b>Emotion Type</b>
14.68	15.44	0.76	surprised
32.52	34.04	1.52	happy
39.64	42.2	2.56	angry
43.72	47.6	3.88	angry
49.08	51.88	2.8	happy

58.28	59.52	1.24	angry
66.68	68	1.32	happy
68.52	71.16	2.64	happy
89.52	96.8	7.28	happy
100.32	102.88	2.56	surprised
118.64	120.44	1.8	surprised
120.6	123.84	3.24	happy
147.48	157.56	10.08	relaxed
175.16	178.24	3.08	happy
179.64	183	3.36	angry
185.44	187.2	1.76	angry
206.2	217.44	11.24	angry
241.84	247.2	5.36	surprised
254.2	257.8	3.6	surprised
258.04	261.84	3.8	happy
265.32	270.6	5.28	angry
300.52	301.64	1.12	bored
352.72	355.4	2.68	surprised
401	405.84	4.84	surprised
415.08	417.04	1.96	surprised
442.52	446.52	4	surprised
452.84	460.48	7.64	angry
486.76	490.72	3.96	angry
491.6	495.36	3.76	angry
510.6	519.48	8.88	angry
535	545.6	10.6	angry
573.08	589.56	16.48	angry
591.76	599.28	7.52	angry
677.64	678.56	0.92	surprised
705.64	707.44	1.8	happy
709.16	713.48	4.32	surprised
714.08	718	3.92	happy
734.28	735.32	1.04	surprised
757.92	760.76	2.84	relaxed
763.56	767.8	4.24	happy
792.72	796	3.28	angry
817.96	820.12	2.16	angry
852.76	856.72	3.96	happy
865.56	868.48	2.92	surprised
872.68	874.48	1.8	surprised
880.28	882.84	2.56	surprised

890.04	893.2	3.16	happy
912.32	918.48	6.16	happy
930.2	931.28	1.08	happy
931.72	941.4	9.68	happy
952.88	960.12	7.24	angry
961.44	967.48	6.04	surprised
968.04	970.2	2.16	angry
970.76	972.32	1.56	surprised
972.88	975.24	2.36	surprised
975.8	977.76	1.96	happy
980.72	984.92	4.2	angry
991.68	997.92	6.24	angry
1004.88	1008.48	3.6	surprised
1011.44	1021.52	10.08	surprised
1022.16	1026.84	4.68	happy
1027.36	1039.52	12.16	angry
1069.04	1083.68	14.64	happy
1090.88	1096.44	5.56	surprised
1147.96	1153.48	5.52	surprised

Secuencia de frases pronunciadas mientras juega traducidas al inglés:

start	end	duration	Translation Text
0.32	2.68	2.36	It's done dude, i start now
3.88	5.36	1.48	Oh! it's very warm
13.12	15.52	2.4	FFFFFFF!
16.08	17.8	1.72	This guys are angry
19.12	22.96	3.84	Oh my mother! use the mouse with them is to be crazy
26.92	28.08	1.16	Come on Derrick! Go up!
31.16	33.76	2.6	I can not turn well with this mouse...
49.08	51.48	2.4	God! Oh my God!
56.2	56.92	0.72	UFFF!
58	59.56	1.56	The mouse works wrong

61.52	64.4	2.88	"Tu rum", "tu rum", "tu rum"...
68	70.28	2.28	Dirreck is very silly...
80	81	1	Oh my God! Dude...
88.48	92	3.52	Yes! I have got surpass Zaida! Yeeees!!!
98.48	99.32	0.84	Attention!
102	102.88	0.88	Oh my God!
114.52	116.16	1.64	Blimey! The thing that is here stop me...
119.68	121.68	2	This game is very bad, dude...
125.04	125.92	0.88	Let's see, what is it...
127.16	127.92	0.76	Let's go!
139	139.92	0.92	Oh yeah?
148	148.72	0.72	The have nothing
160.04	161.52	1.48	Have I done it, no?
165.4	168.52	3.12	Another test of action, if the mouse allows me...
171.24	173.4	2.16	God! I'm a very good player!
178.08	180.2	2.12	Blimey! You will be made by ass...
195.44	196.44	1	Come on Dirk!
197.36	198.36	1	Now, they will see me...
205.24	215.36	10.12	Ufff...No..Nooo... Oh my mother... it's a bit diffcult...
221.48	223	1.52	Is it with the zero key or not?
224.6	225.52	0.92	Damn! dude...
229.2	230.28	1.08	Ah! Ok... with the key D
235.8	237.2	1.4	Uff, I got it...
242	242.88	0.88	JA!



255.36	256.84	1.48	Damn stupid!
264.04	265.6	1.56	UFFFF!
268.2	272.32	4.12	With the music of the 70s, this is a record, uhh put down!
288.12	289.28	1.16	I'm going to sleep...
299.04	301.64	2.6	The keyboard works wrong... I alert...
320.4	326.2	5.8	Taran... taran... taran....
352.68	355.44	2.76	This music is very ridiculous...Oh my God!
358.96	360.36	1.4	yeah
375.76	376.8	1.04	Come on
377.32	378.04	0.72	Attention!
395.84	397.84	2	Blimey!
399.48	400.68	1.2	Incredible
401.6	403.52	1.92	This is already the part of the statues, right?
413.6	414.72	1.12	Incredible
419.32	420.36	1.04	Come on
426.36	428.36	2	I think I have to catch it
433.4	433.96	0.56	No...
435.44	436.48	1.04	Well, yes.
452.6	453.8	1.2	Impossible! Can not be...
468.32	469.28	0.96	Far
469.96	470.68	0.72	Middle
471.6	472.48	0.88	Far
473.12	474.2	1.08	Middle
475.56	476.52	0.96	Ok
477.48	478.24	0.76	Far

478.92	479.72	0.8	Middle
480.72	481.56	0.84	Far
482.56	483.52	0.96	Middle
484.8	485.68	0.88	Ehhh
488	489.36	1.36	Has tremors
492.72	494.76	2.04	Fucking Dirk! he always dies...
502.24	503.36	1.12	Middle
503.76	504.84	1.08	Far
505.68	506.52	0.84	Middle
511.56	512.72	1.16	To the casserole?
516.64	519.4	2.76	Is there a button to pick up objects or not?
519.92	520.6	0.68	Eh?
521.24	522.32	1.08	Damn! with this...
526.8	529.52	2.72	UFFF, They have gone to re-enlist...
536.88	538.44	1.56	Nic, nic, nic
563.52	565.4	1.88	Oh my mother... They are hitting me all the time...
572.12	572.96	0.84	Damn...
574.92	576.96	2.04	It's very difficult...oh my mother!...
590.44	591.68	1.24	The keys???
592.88	595.8	2.92	Left? left and right, maybe...
597.04	598.92	1.88	This character don't balance a lot...
617.04	618.2	1.16	Of course
624.16	628.68	4.52	And to balance.....How???
629.52	630.76	1.24	Do I have to press the key of jump?

633.88	634.96	1.08	I'm very clever, dude...
638.4	640.12	1.72	Damn mouse...
653.36	654.68	1.32	Damn!
667.04	668.68	1.64	Come on, get up there!
671.92	672.8	0.88	You will be made by ass
676.8	677.64	0.84	Uff
686.76	688.68	1.92	Ting, turing...
702.96	704.84	1.88	Pssss, oh my mother...
705.36	706.4	1.04	Small pro...
707.68	712.16	4.48	Bloody hell! What a bastard!
713.2	714.76	1.56	Fucking hell!
731.8	735.32	3.52	Buffff, he is weak...
736.52	737.72	1.2	This is a non stop
744.04	745.56	1.52	Come on, com here
757.96	764.72	6.76	Uffff! I have arrived to the castle... I have lost...
775.44	777.76	2.32	Ufff! Incredible!
782.24	783.6	1.36	Where going to stop, man?
784.28	787.08	2.8	To release the....? ah, ok...
795.72	796.64	0.92	Perfect
805.6	809.8	4.2	Uffff, This mouse despair me more than the lunchtime...
820.24	822.64	2.4	How many people will have test this game?
824.84	826.24	1.4	The mouse works wrong
837.28	840.48	3.2	Come on, Dirk!!! ... Wise up!
848.08	851.84	3.76	If I arrive until the end of the game with this...is a trick to get good grade...

852.76	854.16	1.4	You encourage to the dragon
860	861.32	1.32	Shot!
865.6	866.56	0.96	FFFUII
870.84	872.08	1.24	Are you silly?
872.72	873.8	1.08	Uhh! It's difficult
875.4	876.48	1.08	I see him and I get scared...
879.76	882	2.24	Ufff, What a relief!
886.8	888.64	1.84	Come on, you have touched me...
889.88	891.08	1.2	No man!
909.56	914.52	4.96	I'm just as one-armed as the others...Incredible...
920.64	921.72	1.08	Bothers me a bit
923.16	924.76	1.6	Is there a fuerte man with the gold?
928.24	929.6	1.36	Good!
933	934	1	Ufff
935.8	938.8	3	His hand is very long! Attention!
940.8	942.72	1.92	Incredible! He is a pro!
945.68	946.88	1.2	Blimey!
951.08	952.92	1.84	Come on man, What a bastard!
960.16	961.4	1.24	He is holding...
963.8	969.6	5.8	But...your fucking mother! But...bastard! pull forward! Blimey!
972.36	975.16	2.8	Oh my mother! this guy is not joking...
976.12	977.32	1.2	Come on, Come on!
979.16	981.76	2.6	No, nooooo!
985.76	987.68	1.92	How do you dodge it, dude?
988.92	990.76	1.84	Is it very difficult to dodge, no?

993.08	994.68	1.6	Maybe, I could cover myself...
995.92	997.28	1.36	What a bastard!
1005.04	1021.96	16.92	Easy? easy is the word? ehh ... is impossible! I can not ... no no I can not ... ah! well? okey...
1033.8	1036.88	3.08	Let's see ... Bastard!
1039.52	1041.32	1.8	Come on... one enemy less...
1051.56	1053.24	1.68	A little bastard is this guy...
1056.96	1058.24	1.28	Are you ready?
1062.52	1063.76	1.24	Blimey!
1065.4	1072.2	6.8	Noo! Ufff... Oh my God! Yeeesss! the whirlwind attack!
1077.6	1080.8	3.2	Ahhh I walked very rare... bahhh! Perfect!
1091.84	1096.16	4.32	UFFF, Oh my good, he is very pro...
1099.52	1100.72	1.2	You're silly
1104.12	1108.2	4.08	Where do you go?? Go to the beach!! Blimey!
1128.52	1131.92	3.4	Puffff, he don't fooled me
1133.8	1137.44	3.64	The whirlwind attack works wrong...wrong!
1138.12	1140.48	2.36	Oh my mother, dude! What is this?
1142.08	1143.72	1.64	It's well...
1148.56	1151.08	2.52	Turn! turn!
1161.48	1163.2	1.72	This is starting to be difficult...
1180.48	1181.8	1.32	Uff! He is a pro!
1182.44	1183.72	1.28	This attack has been good
1184.2	1187.48	3.28	this are attacks, else, I have no reason...



Ilustración 2. Juanjo en estado "enfadado".

### 3.3 Zaida en videojuegos de acción

Zaida es una mujer de 28 años. Habla en español. Estos son los resultados obtenidos después de analizar un video en el que Zaida estaba jugando a un videojuego de acción durante unos 20 minutos aproximadamente. La primera columna indica el segundo en el video en el que empieza el estado emocional, la segunda el segundo en el que termina este estado, la tercera la duración en segundos del estado emocional y la cuarta el tipo de estado emocional o la frase pronunciada según la tabla.

Emociones que siente (Emotions Feeltrace):

start	end	duration	EmotionType
0.32	16.8	16.48	neutral
17.36	19.4	2.04	happy
20.36	42.68	22.32	neutral
43.08	44.76	1.68	surprised
45.08	45.56	0.48	surprised
45.84	47.28	1.44	neutral
47.52	48.08	0.56	happy
48.28	50.88	2.6	neutral
51.36	52.12	0.76	angry
52.24	53.92	1.68	neutral

54.24	55.08	0.84	happy
55.24	58.36	3.12	neutral
58.68	59.08	0.4	happy
59.24	79.88	20.64	neutral
80.12	80.72	0.6	happy
80.8	92.88	12.08	neutral
93	93.76	0.76	happy
93.92	94.6	0.68	neutral
94.96	96.08	1.12	surprised
96.52	102.8	6.28	neutral
103.04	104.12	1.08	angry
104.2	108.48	4.28	neutral
108.8	109.28	0.48	happy
109.44	117.96	8.52	neutral
118.28	118.68	0.4	angry
118.76	119	0.24	neutral
119.36	120.4	1.04	sad
120.52	132.64	12.12	neutral
133	133.44	0.44	angry
133.48	152.28	18.8	neutral
152.48	153.12	0.64	bored
153.28	165.44	12.16	neutral
165.72	166.92	1.2	angry
167.28	169.96	2.68	neutral
170.28	171.56	1.28	angry
171.72	175.48	3.76	neutral
175.76	176.56	0.8	bored
176.68	182.4	5.72	neutral
182.64	183.96	1.32	angry
184.04	196.76	12.72	neutral
197	198	1	happy
198.16	205	6.84	neutral
205.28	206.32	1.04	angry
206.4	209.64	3.24	neutral
210.52	210.88	0.36	angry
211.28	212.6	1.32	happy
212.68	224.08	11.4	neutral
224.4	226	1.6	angry
226.12	240.84	14.72	neutral
241.04	242.16	1.12	surprised
242.6	243.68	1.08	angry

243.72	247.48	3.76	neutral
247.72	249.64	1.92	sad
249.8	264.64	14.84	neutral
264.8	266.76	1.96	angry
267.08	274.48	7.4	neutral
274.6	275.68	1.08	surprised
275.88	278.12	2.24	neutral
278.24	279.28	1.04	happy
279.4	283.96	4.56	neutral
284.16	285.84	1.68	happy
286.12	287.2	1.08	neutral
287.48	289.6	2.12	happy
289.72	315.24	25.52	neutral
315.6	316.2	0.6	angry
317.04	317.96	0.92	sad
318.04	339.36	21.32	neutral
339.8	340.18	0.38	angry
340.18	378.08	37.9	neutral
378.36	379.12	0.76	angry
379.24	385.32	6.08	neutral
385.68	386.56	0.88	angry
387.24	389.28	2.04	happy
389.6	390.72	1.12	neutral
390.84	393.28	2.44	happy
393.36	402.44	9.08	neutral
402.92	403.56	0.64	angry
403.68	410.96	7.28	neutral
411.28	412.84	1.56	happy
412.96	430.56	17.6	neutral
430.84	431.64	0.8	surprised
431.92	439.24	7.32	neutral
439.52	441	1.48	surprised
441.28	444.88	3.6	neutral
445	446.16	1.16	happy
446.24	449.84	3.6	neutral
450.12	451.04	0.92	angry
451.12	452.76	1.64	neutral
453.44	454.28	0.84	sad
454.36	454.84	0.48	neutral
455	455.8	0.8	surprised
456.12	472.84	16.72	neutral



473	473.52	0.52	sad
473.56	474.72	1.16	neutral
475	475.24	0.24	happy
475.32	488.68	13.36	neutral
488.96	490.04	1.08	angry
490.08	492.08	2	neutral
492.16	492.64	0.48	relaxed
492.64	499.6	6.96	neutral
499.8	500.72	0.92	sad
500.84	504.88	4.04	neutral
505.16	506.4	1.24	sad
506.48	507.72	1.24	neutral
507.88	511.84	3.96	angry
512.32	513.32	1	neutral
513.52	514.16	0.64	angry
514.24	515.36	1.12	neutral
515.64	517.16	1.52	surprised
517.4	519.36	1.96	neutral
519.56	521.32	1.76	angry
521.48	524.4	2.92	neutral
524.72	527.08	2.36	angry
527.72	529.6	1.88	neutral
529.72	530.36	0.64	angry
530.44	533.8	3.36	neutral
533.96	534.56	0.6	surprised
534.8	538.16	3.36	neutral
538.32	546	7.68	angry
546.28	548.36	2.08	neutral
548.6	551.04	2.44	angry
551.72	555.92	4.2	neutral
556.24	563.96	7.72	angry
565.12	565.88	0.76	happy
567.44	575	7.56	angry
575.24	584.08	8.84	neutral
584.28	584.6	0.32	sad
584.64	585.16	0.52	neutral
585.44	585.76	0.32	happy
585.8	603.16	17.36	neutral
603.36	605.72	2.36	angry
605.92	606.24	0.32	neutral
606.4	607.12	0.72	happy

607.2	635.2	28	neutral
635.6	636.04	0.44	happy
636.16	636.32	0.16	neutral
636.76	637.56	0.8	surprised
637.76	641.52	3.76	neutral
641.88	642.92	1.04	angry
643.12	657.76	14.64	neutral
657.96	658.92	0.96	angry
659.64	667.56	7.92	angry
667.88	668.52	0.64	neutral
668.64	673.16	4.52	sad
673.28	693.16	19.88	neutral
693.52	703.28	9.76	angry
703.52	714.08	10.56	neutral
714.36	718.72	4.36	angry
718.88	726	7.12	neutral
726.24	728.8	2.56	angry
729	731.72	2.72	neutral
731.92	737.96	6.04	sad
738.2	749.08	10.88	neutral
749.28	753.12	3.84	sad
753.48	770.44	16.96	neutral
770.72	774.96	4.24	surprised
775.16	780.56	5.4	neutral
780.76	790.56	9.8	angry
790.8	792.84	2.04	neutral
792.92	795.92	3	bored
796.16	801.52	5.36	neutral
801.72	815.04	13.32	bored
815.2	822.56	7.36	neutral
822.68	823.72	1.04	angry
823.88	830.84	6.96	neutral
830.96	836.52	5.56	bored
836.68	842.84	6.16	neutral
843.04	844.72	1.68	bored
844.84	851.68	6.84	neutral
851.88	854.2	2.32	surprised
854.44	857	2.56	neutral
857.16	866.24	9.08	bored
866.4	874.08	7.68	neutral
874.4	875.28	0.88	happy

875.32	878.64	3.32	neutral
878.88	879.56	0.68	happy
879.64	900.16	20.52	neutral
900.6	901.76	1.16	surprised
901.96	903.52	1.56	neutral
903.76	909.72	5.96	angry
909.76	913.72	3.96	neutral
914.08	920.28	6.2	angry
920.6	924.4	3.8	neutral
924.64	931.2	6.56	sad
931.36	932.24	0.88	neutral
932.36	948.52	16.16	angry
948.72	959.52	10.8	neutral
959.88	965.44	5.56	happy
965.56	970.96	5.4	neutral
971.12	972.72	1.6	happy
972.8	973.04	0.24	neutral
973.32	979.64	6.32	surprised
980	986.16	6.16	happy
986.24	999.48	13.24	neutral
999.76	1002.84	3.08	happy
1003	1010.4	7.4	neutral
1010.64	1011.88	1.24	angry
1012.08	1043.52	31.44	neutral
1043.68	1049.44	5.76	surprised
1049.8	1059.2	9.4	happy
1059.28	1059.92	0.64	neutral
1060.12	1085.72	25.6	happy
1086.16	1089.04	2.88	happy
1089.32	1095.64	6.32	neutral
1095.8	1113.96	18.16	happy
1114.36	1115.16	0.8	surprised
1115.56	1127.12	11.56	happy
1127.4	1130.12	2.72	surprised
1130.48	1134.68	4.2	happy
1135.04	1150.28	15.24	neutral
1150.68	1154.92	4.24	happy
1155.08	1169.72	14.64	neutral
1169.92	1174.04	4.12	happy
1174.44	1188.52	14.08	neutral
1188.76	1192.48	3.72	bored

1192.6	1193.4	0.8	neutral
1193.4	1194.64	1.24	bored
1194.76	1197.28	2.52	neutral
1197.4	1201.44	4.04	happy
1201.64	1213.4	11.76	neutral
1213.56	1215.12	1.56	happy
1215.2	1215.4	0.2	neutral
1215.48	1217.4	1.92	angry

### Emociones filtradas (Emotions Filtered):

<b>start</b>	<b>end</b>	<b>duration</b>	<b>Emotion Type</b>
17.36	19.4	2.04	happy
43.08	44.76	1.68	surprised
51.36	52.12	0.76	angry
54.24	55.08	0.84	happy
80.12	80.72	0.6	happy
93	93.76	0.76	happy
94.96	96.08	1.12	surprised
103.04	104.12	1.08	angry
119.36	120.4	1.04	sad
152.48	153.12	0.64	bored
165.72	166.92	1.2	angry
170.28	171.56	1.28	angry
175.76	176.56	0.8	bored
182.64	183.96	1.32	angry
197	198	1	happy
205.28	206.32	1.04	angry
211.28	212.6	1.32	happy
224.4	226	1.6	angry
241.04	242.16	1.12	surprised
242.6	243.68	1.08	angry
247.72	249.64	1.92	sad
264.8	266.76	1.96	angry
274.6	275.68	1.08	surprised
278.24	279.28	1.04	happy
284.16	285.84	1.68	happy
287.48	289.6	2.12	happy
315.6	316.2	0.6	angry
317.04	317.96	0.92	sad

378.36	379.12	0.76	angry
385.68	386.56	0.88	angry
387.24	389.28	2.04	happy
390.84	393.28	2.44	happy
402.92	403.56	0.64	angry
411.28	412.84	1.56	happy
430.84	431.64	0.8	surprised
439.52	441	1.48	surprised
445	446.16	1.16	happy
450.12	451.04	0.92	angry
453.44	454.28	0.84	sad
455	455.8	0.8	surprised
488.96	490.04	1.08	angry
499.8	500.72	0.92	sad
505.16	506.4	1.24	sad
507.88	511.84	3.96	angry
513.52	514.16	0.64	angry
515.64	517.16	1.52	surprised
519.56	521.32	1.76	angry
524.72	527.08	2.36	angry
529.72	530.36	0.64	angry
533.96	534.56	0.6	surprised
538.32	546	7.68	angry
548.6	551.04	2.44	angry
556.24	563.96	7.72	angry
565.12	565.88	0.76	happy
567.44	575	7.56	angry
603.36	605.72	2.36	angry
606.4	607.12	0.72	happy
636.76	637.56	0.8	surprised
641.88	642.92	1.04	angry
657.96	658.92	0.96	angry
659.64	667.56	7.92	angry
668.64	673.16	4.52	sad
693.52	703.28	9.76	angry
714.36	718.72	4.36	angry
726.24	728.8	2.56	angry
731.92	737.96	6.04	sad
749.28	753.12	3.84	sad
770.72	774.96	4.24	surprised
780.76	790.56	9.8	angry

792.92	795.92	3	bored
801.72	815.04	13.32	bored
822.68	823.72	1.04	angry
830.96	836.52	5.56	bored
843.04	844.72	1.68	bored
851.88	854.2	2.32	surprised
857.16	866.24	9.08	bored
874.4	875.28	0.88	happy
878.88	879.56	0.68	happy
900.6	901.76	1.16	surprised
903.76	909.72	5.96	angry
914.08	920.28	6.2	angry
924.64	931.2	6.56	sad
932.36	948.52	16.16	angry
959.88	965.44	5.56	happy
971.12	972.72	1.6	happy
973.32	979.64	6.32	surprised
980	986.16	6.16	happy
999.76	1002.84	3.08	happy
1010.64	1011.88	1.24	angry
1043.68	1049.44	5.76	surprised
1049.8	1059.2	9.4	happy
1060.12	1085.72	25.6	happy
1086.16	1089.04	2.88	happy
1095.8	1113.96	18.16	happy
1114.36	1115.16	0.8	surprised
1115.56	1127.12	11.56	happy
1127.4	1130.12	2.72	surprised
1130.48	1134.68	4.2	happy
1150.68	1154.92	4.24	happy
1169.92	1174.04	4.12	happy
1188.76	1192.48	3.72	bored
1193.4	1194.64	1.24	bored
1197.4	1201.44	4.04	happy
1213.56	1215.12	1.56	happy
1215.48	1217.4	1.92	angry

## Secuencia de frases pronunciadas mientras juega traducidas al inglés:

start	end	duration	Translation Text
4.2	6.08	1.88	I can not remember
7.72	9.6	1.88	I can not remember where I was...
11.04	12.04	1	Come on
13.28	13.92	0.64	No!
15.96	21.36	5.4	There are things! Are there things in all the barrels?
22.64	23.36	0.72	No
31.24	36.4	5.16	To the treasure hunt... I'm in danger! and... are you looking for gold? Screw you!
41.08	43.04	1.96	Blimey! Do the doors close?
45.68	46.52	0.84	well
49.16	54.28	5.12	Ahhh! I'm dead! I've committed suicide! jaja
55.56	56.4	0.84	Damn!
58.64	62.36	3.72	Can Dirk point automatically...? Bah! no, i don't want...
73.52	74.72	1.2	Oh my mother...
75.08	77.52	2.44	For what harass me this shit?
77.72	78.68	0.96	No? Shot!
80.96	86.36	5.4	And the gold is here... I don't care to tell me anything... Yees! I am dedicated to pick up gold
89.16	91.08	1.92	I look stupid talking while I play
93.52	97.76	4.24	Ahhhh! This is the thing that I safely have to pick up? before it is destroyed...
100.44	103.8	3.36	Let me enter! Arggg! noooo!
104.76	106.24	1.48	How Can I go outside of here? jaja!
110.44	111.4	0.96	Ahhh!
112.72	113.68	0.96	Okay...

115	117.44	2.44	What a pity! I have to start again
118	119.32	1.32	So, I'm overwhelmed
132.8	134.56	1.76	Where are you?
136.44	137.96	1.52	I'm getting nervous
144.2	147.96	3.76	And I go to the gold again although I have to save it
148.88	149.84	0.96	Come on
150.48	151.28	0.8	Okay...
153.92	156.6	2.68	This is more complicated
158.32	161	2.68	Damn! What bad luck I have!
161.32	163.72	2.4	Okay, now everything is destroyed and I have to look for...
170.48	174.2	3.72	Mmmm This is making me dizzy...
176.08	177.08	1	What?
188.2	191.84	3.64	Life! yes! is it life? ok, yes... I am answering myself
195.2	198.72	3.52	Maybe, i don't need it, but I look forward to get the gold
199.64	201.12	1.48	Ayyy! Come on!
203.24	205.6	2.36	Shit! What happens?
206.08	206.96	0.88	I can't see
208.48	210.64	2.16	That! that! that! that! Ahhh!
212.6	214.96	2.36	I don't know if I had to catch the other thing but i don't catch it, then...
223.24	225.36	2.12	Asshole!
228.28	230.84	2.56	Ahh! I have to catch it, not?
232.76	233.8	1.04	Does this give me life?
236.92	238.32	1.4	I leave already
238.48	242.92	4.44	I'm going to see what things more there are here... Ohh! no! Damn!



246.2	248.16	1.96	No! From here no! :- (
250.48	251.48	1	Ahh! Okay...
252.4	253.24	0.84	Ehm...
254.96	257.16	2.2	Come on... Okay...
267.12	272.6	5.48	Tu, tu, tu, tu, tu! Ahh! I wasn't died! and I have committed suicide after...
272.96	273.8	0.84	Okay...
279.44	281.88	2.44	What...What...Whaaaaat!!!
285.84	287.76	1.92	I don't know what i have to do!
294	296.8	2.8	Okay! It's the mouse
302.92	305.16	2.24	Okay, now...
306.56	308	1.44	If I go from here...
308.36	311.24	2.88	Tin, tin tin! I don't care if you are opened...
315.6	317.08	1.48	Now what happens?
318.52	320.24	1.72	They are waiting me!
329.52	332.36	2.84	I going to see where they appear
341.4	349.48	8.08	I feel idiot talking alone...The Wizard is really powerful, to beat him you have to find some magic items
350.12	350.88	0.76	Okay
352.12	356.08	3.96	Well, here is magic items? Look!
360.68	362.36	1.68	Here there are gold, more gold.
363.04	365.04	2	How do towards this? jumping?
369.36	372.4	3.04	Aaah! It did not go by here, I can not
375.32	376.24	0.92	What more?
377.84	379.12	1.28	He is cutting off me to I can pass
386.52	389.32	2.8	Ah noo! Oh my god! They put me in a trap here

391.64	392.32	0.68	And this?
393.2	394.56	1.36	Ahh! I going to kill you
399.28	402.48	3.2	The books are the magical objects right?
411.16	414.36	3.2	Is there Anywhere where I can see the magic that I have won?
416.32	417.12	0.8	Damn...
417.84	419.64	1.8	A little life! Good!
420.28	421.2	0.92	Already
422.96	425.2	2.24	Okay, What's around here?
427.4	429.8	2.4	And this? Can I pass by here?
436.72	437.72	1	Let's see
443	444.84	1.84	Eh! Eh! no! no!
448.08	450.32	2.24	Ahhh! The books attack me!
454.32	458.56	4.24	Ahh! I have almost no life!
460.76	462.08	1.32	Is it going to fall the other?
466.32	470.48	4.16	What a bugger! The mother that bore him!
476.72	479.76	3.04	No! here again no! I had already gone up!
484.64	486.68	2.04	Okay, I reassure
488.96	490.72	1.76	Come on! Damn!
495	496.04	1.04	Come on
498.36	501.76	3.4	I had already done it. I had to have moved into the next stage.
509.36	512.92	3.56	Ahh! I think that I have not caught the life that I had won.
515.68	517.12	1.44	Now
523.76	525.48	1.72	You have to jump!
526	529.92	3.92	Come on! Here was another, which I have seen before... Ohh! fuck!
533.4	535.2	1.8	That bastard!

536.56	537.76	1.2	And now?
539.24	542.24	3	By the stairs... Come on!
547.8	549.32	1.52	The flying books!
551.6	553.96	2.36	What a bastard! He has imprisoned me!
562.72	564.48	1.76	Come on! Go up handsome!
565.16	566.24	1.08	Let's go upstairs!
566.48	569.56	3.08	Come on! Come here! Come here! Shot! Shot!
570.88	571.84	0.96	Shot! Shot!
572.16	573	0.84	Come on!
574.24	578.36	4.12	Now you don't come to me! because is very difficult to jump. Noo!
581.2	583.8	2.6	If I killed him, he no longer appears again, no? Shot!
584.12	584.72	0.6	Come on!
590.96	592.12	1.16	Tin! tin!
593.96	595.08	1.12	Aaah!
595.8	596.6	0.8	Ufff
598.12	599.92	1.8	Nooo! This is where he fell!
600.72	601.32	0.6	Perfect
602.24	608.2	5.96	Come on now! Come on! Fall! I'm waiting you
610.24	614.36	4.12	He is a bastard! It will not fall until I pass...
616.88	618.28	1.4	Don't fall, right?
624.48	625.52	1.04	And now?
630.92	633.92	3	I think you'll have to find another way to go out...
635.16	641.24	6.08	Mmmm, thanks.. but what way I look for? ahhh this! Here!
642.28	645.2	2.92	Ah! no! Is the way to where I came here?

650.2	652.48	2.28	Well... I could
656.52	659.16	2.64	For here I have come... Am I back? right?
666.56	668.88	2.32	I forgot to ask
669.36	670.96	1.6	I always have to go rectum
673.16	674.04	0.88	Fuck!
674.76	678.32	3.56	Tu! tu! tu! tu! tu! tu! tu!
683.72	686.6	2.88	Okay... then...What path do I follow?
695.4	697.44	2.04	Ehh...I'm going crazy
701.76	708.24	6.48	Okay...We will come back...through which we came... you again? if I killed you before!
718.08	718.76	0.68	Now
720.04	725.72	5.68	Damn! I have no life almost...Why? Who killed me now cause of I have no life almost?
728.8	731.16	2.36	I don't want to do this stage again
732.92	733.8	0.88	Let's see
734.84	735.6	0.76	What
736.36	737.2	0.84	Where Can I go?
741.16	742.44	1.28	I have already made it
754.16	755.24	1.08	Come on!
755.68	757.24	1.56	This is going to fall over
757.6	758.56	0.96	You'll see
758.92	759.72	0.8	I know
765.12	768.16	3.04	Ahh! through hole...right?
769.08	769.72	0.64	No...
773.24	774.52	1.28	Damn!
776.92	777.88	0.96	Fucking!
784.88	790.76	5.88	And I have to start again...How cool... Shot! Shot!

805.16	806	0.84	Come on
808.2	810.16	1.96	I've already done it many times
813.72	818.56	4.84	If I try it...is impossible, although I run a lot...Buahh!
819.4	821	1.6	Okay...no
824.44	830.28	5.84	OK, I go here now... the flying books... ZAS! ZAS! ZAS! ZAS! ZAS! ZAS!
830.92	832.84	1.92	I feel stupid because I'm talking
834.48	837.88	3.4	Now here.. now I go here until he pass
839.48	840.76	1.28	Now I go out...
844.56	849.04	4.48	I don't know why I have half of life. I don't remember that someone have killed me...
850.84	854.84	4	Come on. The flying books again... PAN! PAN! PAN! Shot! Shot! Shot!
856.36	857.16	0.8	Already
858.92	865.68	6.76	Now jump ..... and I'll try to get into that hole
866.08	869.32	3.24	The same...I don't know the path, I don't care
876.36	877.4	1.04	Let's see
881.8	884.76	2.96	I don't want that he catch me
885.48	886.44	0.96	Come on! Fall!
888.48	890.4	1.92	If you don't fall, I'll make a race...
891.24	892.64	1.4	Damn! I knew it!
894.4	895.6	1.2	I can now get it
897.28	899.56	2.28	Come on! for fuck's sake!
907.76	915.6	7.84	I'm fed up to.... to start with this bug ... with this table
916.68	917.72	1.04	Come on
920.48	921.36	0.88	Already
926.84	929.28	2.44	Come on...Where are the books?

932.32	934.72	2.4	Clear! They are the ones that have taken me life before
936.08	937.4	1.32	Come on! Give me life!
938.04	938.68	0.64	OK
939.2	941.8	2.6	Come on... I don't want to try pass by there
942.48	944.64	2.16	Now I go by here...
949.6	954	4.4	To get that Dirk roll, you must... AHHHH!
954.4	956.28	1.88	I could not remember this function
957.16	960.76	3.6	Using the key "E" and ducking at the same time
961.88	962.76	0.88	E?
965.8	968	2.2	I do not remember how it was!
969.04	969.76	0.72	C
971.52	972.28	0.76	C?
973.36	974.44	1.08	AHHH!
976.88	978.56	1.68	OK, It is already
980.84	983	2.16	And now? to battle...
986.16	988.4	2.24	Okay... I go here and I wait to he pass
991.8	996.68	4.88	So those books killed me before! I'm talking alone, I look stupid.
1001.48	1007.28	5.8	La! La! La! Come on small books! Shot! Shot! Shot! Shot! it is already
1008.64	1013.2	4.56	And now is the time that i die like the last twelve times...
1022.24	1026.6	4.36	Come on, now he knock me... i know
1027.6	1028.28	0.68	Come on
1030.08	1033.76	3.68	And he will fall over me like always...
1036	1038.04	2.04	Come on! Fall!
1038.96	1041	2.04	Fall! Fall! Fall!

1041.8	1044	2.2	Can I pass by the fence? no...
1044.76	1051.24	6.48	They kill me all the time... Is there any way to run more fast?
1051.64	1053.76	2.12	Well, i go to try it again
1060.12	1065.64	5.52	Can you explain me that I have to make? although you write it in a paper and i can read it? please..
1067.4	1069.36	1.96	They have killed me thirteen times!
1073.04	1077.28	4.24	Please, tell me the way to pass it...You can write it in a paper or something similar...
1082.36	1084.76	2.4	Yes...I'm stupid...I know...
1090.48	1091.92	1.44	What are you saying?
1096.88	1098	1.12	This...outside
1114.4	1117.44	3.04	I did not have to go through there...? ok...
1118.84	1122.44	3.6	Ehm...And I have to go through... ?
1124.12	1126.08	1.96	No...through there...
1126.44	1131.24	4.8	here? there.. until it is opened? then is it closed?
1136.28	1136.96	0.68	No
1138.56	1139.6	1.04	Here
1140.4	1143.52	3.12	No! It is closed all the time. I can not go through here.
1144.68	1147.16	2.48	Here this is closing all the time...
1150.68	1161.92	11.24	No, back. There. Stairs. I've already done that. I know that. That's what I always do. And now I hav
1162.56	1166.84	4.28	And he does... He is rolling without being hit.
1167.8	1170.84	3.04	I already know it by heart. That is overcome.
1172.8	1175.8	3	And I wait here until pass the bookcase
1178.04	1180.44	2.4	And here I go up the stairs.
1181.56	1188.4	6.84	There are two books waiting for me. Two flying books. And i wait you here. Look! Shot! Shot! Shot!
1188.72	1190	1.28	And another? come on...
1190.64	1194.72	4.08	And there are no more problems until I reach the damn shelf that kill me.

1198.2	1199.56	1.36	Okay. This...
1201.6	1203.28	1.68	Okay...and now...
1203.56	1204.48	0.92	STOP!
1205.76	1212.08	6.32	I can not overcome the shelf?

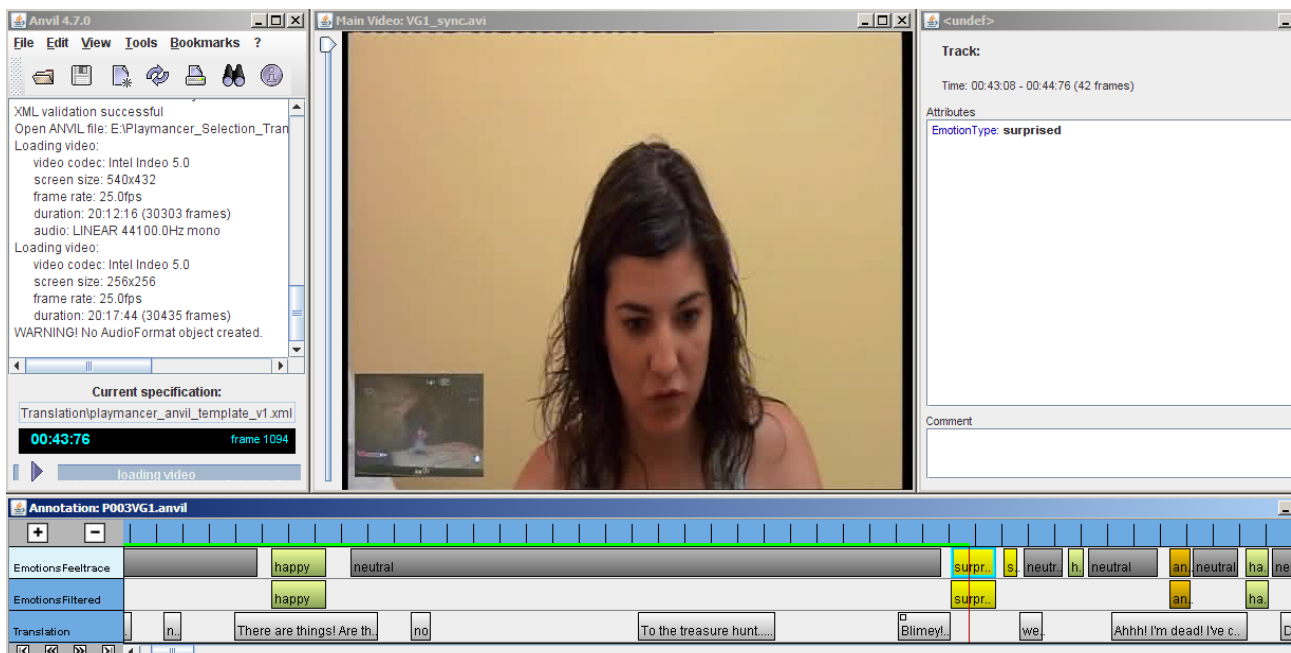


Ilustración 3: Zaida en estado "sorprendido".

### 3.4 Katy en videojuegos de acción

Katy es una mujer de 29 años. Habla en español. Estos son los resultados obtenidos después de analizar un video en el que Katy estaba jugando a un videojuego de acción durante unos 20 minutos aproximadamente. La primera columna indica el segundo en el video en el que empieza el estado emocional, la segunda el segundo en el que termina este estado, la tercera la duración en segundos del estado emocional y la cuarta el tipo de estado emocional o la frase pronunciada según la tabla.

Emociones que siente (Emotions Feeltrace):

start	end	duration	Emotion Type
0.29	7.56	7.27	neutral
8.32	25.88	17.56	neutral
27.88	29.36	1.48	surprised



29.44	72.84	43.4	neutral
73.2	75.88	2.68	happy
76.12	106.6	30.48	neutral
107.12	107.36	0.24	happy
107.4	108.68	1.28	happy
108.84	140.36	31.52	neutral
140.6	141.08	0.48	angry
141.2	206.44	65.24	neutral
206.56	206.76	0.2	very angry
206.8	208.76	1.96	angry
208.96	222.28	13.32	neutral
222.54	223.56	1.02	happy
223.84	234.32	10.48	neutral
234.96	237.36	2.4	happy
237.8	252.52	14.72	neutral
252.96	258.52	5.56	neutral
259.8	261.84	2.04	neutral
261.88	262.12	0.24	afraid
262.16	294.68	32.52	neutral
295.12	295.84	0.72	happy
296	299.52	3.52	neutral
299.8	300	0.2	happy
300.36	301.08	0.72	happy
301.32	332.56	31.24	neutral
332.92	333.04	0.12	neutral
334.28	340.4	6.12	neutral
340.44	340.8	0.36	very afraid
340.96	341	0.04	very angry
341.04	341.08	0.04	very angry
341.16	341.32	0.16	angry
341.6	342	0.4	neutral
343.8	344.68	0.88	neutral
344.92	346.72	1.8	neutral
346.96	347	0.04	sad
347.48	375.52	28.04	neutral
378.08	380.2	2.12	neutral
380.64	449.68	69.04	neutral
450.2	451.48	1.28	happy
451.64	464.84	13.2	neutral
464.96	466.48	1.52	relaxed
466.6	467.16	0.56	neutral

468.96	469.56	0.6	angry
469.76	470.04	0.28	neutral
470.2	473.64	3.44	neutral
475.12	477.88	2.76	neutral
477.92	477.96	0.04	happy
477.96	478.2	0.24	very happy
478.48	478.88	0.4	very happy
478.88	478.92	0.04	happy
479.12	497.16	18.04	neutral
497.52	498.72	1.2	angry
498.92	525.68	26.76	neutral
525.68	525.72	0.04	bored
526.92	528.88	1.96	bored
529.44	550.92	21.48	neutral
551	551.04	0.04	angry
551.48	551.56	0.08	angry
551.72	554.84	3.12	angry
554.96	555	0.04	afraid
555.16	608.84	53.68	neutral
609.04	624.48	15.44	neutral
625	625.32	0.32	very afrai
625.36	627.08	1.72	angry
627.28	635.8	8.52	neutral
635.88	635.92	0.04	angry
635.96	636.12	0.16	very angry
636.2	638.56	2.36	angry
638.68	656.72	18.04	neutral
657.56	658.2	0.64	neutral
658.28	658.36	0.08	happy
658.48	658.84	0.36	happy
659	659.28	0.28	neutral
659.32	659.4	0.08	afraid
659.8	660.44	0.64	angry
660.64	661.2	0.56	neutral
661.8	662.4	0.6	happy
662.8	678.6	15.8	neutral
678.64	678.8	0.16	afraid
679	679.88	0.88	afraid
680.04	742.51	62.47	neutral
744.36	744.72	0.36	afraid
744.92	745.64	0.72	very afrai

745.76	745.8	0.04	afraid
745.96	768.04	22.08	neutral
768.36	773.36	5	bored
773.52	782.76	9.24	sad
782.8	784.88	2.08	neutral
785.2	787.64	2.44	happy
787.72	810.76	23.04	neutral
816.68	816.76	0.08	happy
816.96	817.44	0.48	very happy
817.48	834.72	17.24	happy
835.28	854.24	18.96	neutral
854.48	867.96	13.48	neutral
870.28	961.24	90.96	neutral
961.72	962.64	0.92	relaxed
975.12	1028.2	53.08	neutral
1028.24	1033.64	5.4	relaxed
1035.68	1036.2	0.52	neutral
1036.76	1037.28	0.52	sad
1037.48	1038.2	0.72	neutral
1038.24	1038.28	0.04	afraid
1038.52	1040.84	2.32	angry
1062.96	1063.04	0.08	afraid
1063.08	1064.28	1.2	neutral
1064.64	1065.04	0.4	angry
1065.16	1087.88	22.72	neutral
1088.24	1103.08	14.84	neutral
1103.76	1104.64	0.88	angry
1104.76	1105.04	0.28	neutral
1105.28	1132.84	27.56	neutral
1133.44	1135.48	2.04	neutral
1135.8	1138.28	2.48	relaxed
1138.32	1141.52	3.2	neutral
1141.64	1142.48	0.84	bored
1142.72	1143.44	0.72	neutral
1143.72	1144.6	0.88	angry
1145.4	1145.52	0.12	afraid
1145.8	1146.12	0.32	neutral
1158.2	1204.88	46.68	neutral
1205.08	1205.16	0.08	angry
1205.44	1206.12	0.68	angry
1233.88	1234.48	0.6	neutral

1234.76	1240.4	5.64	neutral
1240.48	1242.36	1.88	bored
1242.61	1258.68	16.07	neutral

### Emociones filtradas (Emotions Filtered):

<b>start</b>	<b>end</b>	<b>duration</b>	<b>Emotion Type</b>
27.88	29.36	1.48	surprised
73.2	75.88	2.68	happy
107.4	108.68	1.28	happy
206.8	208.76	1.96	angry
234.96	237.36	2.4	happy
295.12	295.84	0.72	happy
300.36	301.08	0.72	happy
450.2	451.48	1.28	happy
464.96	466.48	1.52	relaxed
468.96	469.56	0.6	angry
497.52	498.72	1.2	angry
526.92	528.88	1.96	bored
551.72	554.84	3.12	angry
625.36	627.08	1.72	angry
636.2	638.56	2.36	angry
659.8	660.44	0.64	angry
661.8	662.4	0.6	happy
679	679.88	0.88	afraid
744.92	745.64	0.72	very afrai
768.36	773.36	5	bored
773.52	782.76	9.24	sad
785.2	787.64	2.44	happy
817.48	834.72	17.24	happy
961.72	962.64	0.92	relaxed
1028.24	1033.64	5.4	relaxed
1038.52	1040.84	2.32	angry
1103.76	1104.64	0.88	angry
1135.8	1138.28	2.48	relaxed
1141.64	1142.48	0.84	bored
1143.72	1144.6	0.88	angry
1205.44	1206.12	0.68	angry
1240.48	1242.36	1.88	bored

## Secuencia de frases pronunciadas mientras juega traducidas al inglés:

<b>start</b>	<b>end</b>	<b>duration</b>	<b>Translation Text</b>
4.56	9	4.44	Ehhh, now i have to kill him...right?
12.8	13.72	0.92	No!
15.8	16.8	1	Uff
24.36	25.76	1.4	Nooo!
27.08	28.96	1.88	Noo! Almost...
42.12	44.48	2.36	But I am now where I was before?
53.56	56.6	3.04	Time to review your inventory
56.88	58	1.12	Do you want this?
64.32	66.4	2.08	I don't know what is inventory
85.96	88.08	2.12	Damn!
96.84	98.2	1.36	Start
100.76	102.12	1.36	Start!
103.4	104.04	0.64	No
105.76	108.72	2.96	Wait, I going to sit down better
141.16	142.84	1.68	Do not look at me that way
182.16	184.72	2.56	I know that i have to talk, but i'm forgetting
205.44	208.32	2.88	Nooo! I go crazy, why he does it?
224.48	225.64	1.16	Just
231.36	234.76	3.4	After can i play in the premises, not? After this.
259.8	264.8	5	No!!! I can't make it, because then...
272.6	274.32	1.72	There are so many things...

294.64	297.24	2.6	Wait...behind...
301.52	303.52	2	Damn! Noo!
308.4	310.92	2.52	I lose concentration.
316.92	318.4	1.48	You bother me.
349.6	353.04	3.44	I think that I going to play twenty minuts and i going to stay in the same stage
373	376	3	Do not look because I get nervous
379.12	380.52	1.4	Yees!
380.76	381.56	0.8	Or not?
383.08	385.2	2.12	Can you give me a clue?
392.32	395.8	3.48	Ah yes! I have progressed! How thoughtful!
399.64	401.4	1.76	Where are they?
418.64	420.68	2.04	I don't understand nothing
426.92	427.8	0.88	Ah!
430.48	431.72	1.24	Obvious, not?
441.04	444.44	3.4	Now i don't know very well that i have to do...
445	447.84	2.84	CONTROL and this key, right?
452.48	453.6	1.12	God!
461.04	463.44	2.4	Make, CONTROL, put it
465.92	467	1.08	Noo!
468.68	470.24	1.56	What was this?
471.28	472.24	0.96	Yes
478.12	481.16	3.04	No, I know that no... Noo! Damn!
481.6	483.16	1.56	A clue...
487.92	489.72	1.8	With the sword? yes?
			You're going to hit me and there aren't nobody

495.24	498.92	3.68	That stopping you...CONTROL
503.92	505.32	1.4	Not so?
511.4	513.92	2.52	I have to kill them, before? OK...
514.44	515.16	0.72	Okay
516.56	518.88	2.32	Eeeehhhmmm... OKEY
526.88	527.72	0.84	Goodbye!
552	556.32	4.32	How can I kill him if I can't be more near? I don't understand...
562	564.4	2.4	Only in this way? OK...
576.32	580.12	3.8	Already... No! No! No! No! Wait! Wait! Why?
581.72	583.88	2.16	OK, more behind, Okey...
616.16	622.56	6.4	Dirk can aim... Dirk can automatically aim his enemy...
624.44	629.4	4.96	Still not ready, I don't understand what is written No! No! No! wait! I'm
631.36	632.68	1.32	Ok Ok Ok
635.64	638.56	2.92	No! No! I don't understand what put in the text!
641.72	646.56	4.84	Dirk can aim while the enemy ... Tabulation! Which is it?
647.96	651.8	3.84	But he doesn't draws his damn... draw it!
658.48	660.08	1.6	Poor Dirk...
666.84	668.36	1.52	I don't want go here
677	682.12	5.12	Oh oh... the barrels... What are barrels?
685.6	687.6	2	That's crazy!
692.08	695.92	3.84	So, is it the correct way? not, right?
696.68	698.24	1.56	But I kill him
706.68	708.56	1.88	He is died, right?
722.68	723.96	1.28	You laugh

726.88	728.28	1.4	Where? Here?
731.32	732.32	1	God
734.4	735.6	1.2	Stop you
737.4	739.84	2.44	Oh my God! Run!!
748.88	749.92	1.04	No!
773.52	775.24	1.72	I hate it
786.68	787.32	0.64	Now
794.28	795.6	1.32	Nooo!
796.4	798.4	2	I feel so sad for him...
817.88	819.92	2.04	He is happy
822.32	824.84	2.52	Have I to catch it ? or something similar?
828.88	831.84	2.96	What is this? but it appears something bad
832.64	834.76	2.12	If I go head-on
839.12	840.16	1.04	Jump!
841.28	842.84	1.56	No, I have to exit
844.32	845.96	1.64	But, if I want to have it...
857.08	859	1.92	No! Damn!
880.68	882.24	1.56	No! Damn!
916.36	920.12	3.76	This game is very sexist. I don't like.
937	940.36	3.36	Ayy! I thought they were good books...
942.88	945.04	2.16	The books kill...
945.68	946.8	1.12	Damn!
967.96	971.4	3.44	The problem is that i don't understand very well, Do I have to look for objects, right?
972.92	974.88	1.96	No! I have to kill them!
1056.2	1057.8	1.6	How was this?



1062.2	1063.32	1.12	Damn!
1078.8	1081.64	2.84	Another time here? I already was here
1100.6	1101.48	0.88	No!
1107.44	1108.84	1.4	Attention here!
1109.52	1112.68	3.16	Thus, using C
1112.88	1115.12	2.24	No. With C, Okey...
1141.72	1143.12	1.4	Uff!
1145.2	1147.04	1.84	Damn! No! C!
1173.84	1179	5.16	Oh my mother! No! Noooo! Now I was quite well, right?
1201.8	1203.04	1.24	Ahhhhhgg!
1204.72	1206.24	1.52	Damn!
1218.12	1219.68	1.56	What's happen with this?
1225.52	1226.52	1	Ah!
1238.48	1240.52	2.04	Do I Have to jump, right? Here...
1242.84	1244.28	1.44	Ohh
1248.88	1249.84	0.96	Tha man say: STOP
1253	1254.84	1.84	already?

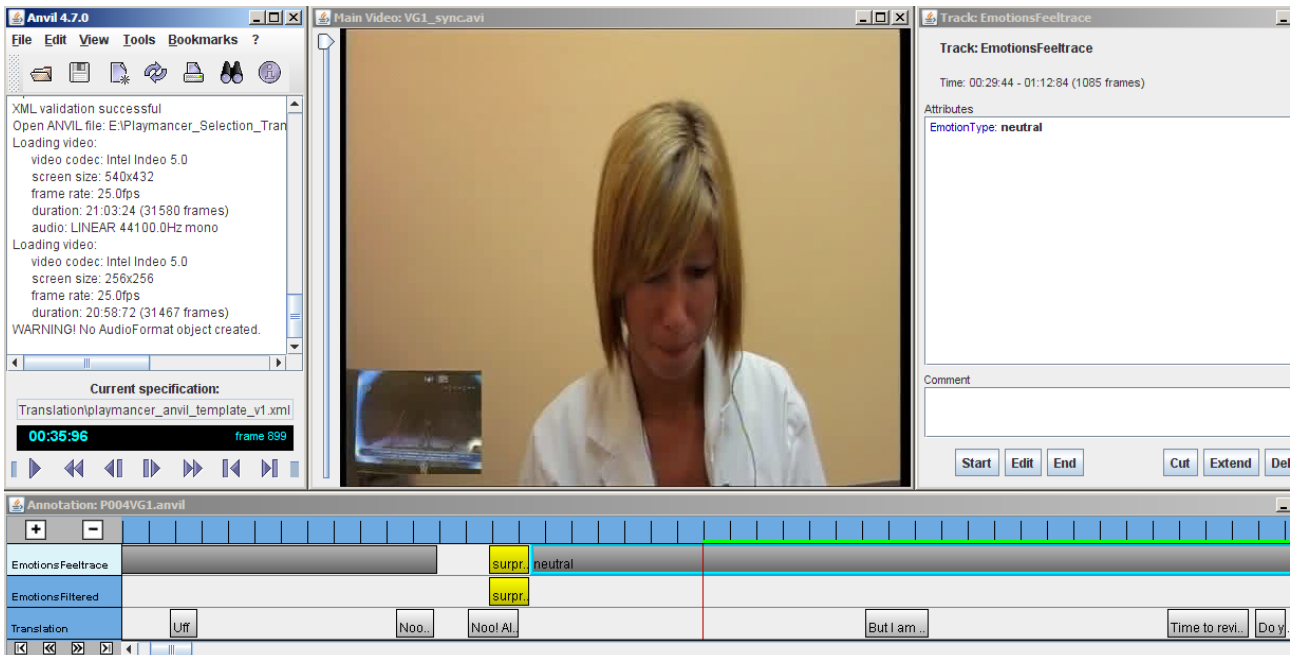


Ilustración 4: Katy en el estado "neutro"

### 3.5 Antonio en videojuegos de acción

Antonio es un hombre de 31 años. Habla en español. Estos son los resultados obtenidos después de analizar un video en el que Antonio estaba jugando a un videojuego de acción durante unos 20 minutos aproximadamente. La primera columna indica el segundo en el video en el que empieza el estado emocional, la segunda el segundo en el que termina este estado, la tercera la duración en segundos del estado emocional y la cuarta el tipo de estado emocional o la frase pronunciada según la tabla.

Emociones que siente (Emotions Feeltrace):

start	end	duration	Emotion Type
0.72	12.44	11.72	neutral
12.6	14.48	1.88	happy
16.44	22.12	5.68	surprised
22.52	27.56	5.04	happy
28.48	44.64	16.16	happy
44.96	56.68	11.72	neutral
56.96	60.44	3.48	surprised
60.56	68.72	8.16	neutral
68.88	70.32	1.44	surprised
70.72	72.76	2.04	happy

73	95.68	22.68	surprised
96.2	106.72	10.52	happy
107.08	112.88	5.8	surprised
113.12	114.08	0.96	happy
114.48	115.92	1.44	happy
116.12	128	11.88	surprised
128.2	155.84	27.64	happy
156.12	160.96	4.84	surprised
161.52	161.56	0.04	happy
161.76	175.12	13.36	happy
175.28	178.64	3.36	neutral
178.96	181.64	2.68	angry
182.12	187	4.88	surprised
187.4	227.52	40.12	neutral
227.72	236.48	8.76	surprised
236.72	244.48	7.76	neutral
244.76	247.92	3.16	happy
248.08	272.36	24.28	surprised
272.52	272.56	0.04	happy
272.72	280.6	7.88	happy
280.8	283.88	3.08	surprised
284.28	284.64	0.36	happy
284.64	289.16	4.52	very happy
289.44	292.72	3.28	surprised
292.88	303.48	10.6	neutral
303.88	305.76	1.88	surprised
306.08	315.04	8.96	neutral
315.36	319.52	4.16	happy
319.68	348.08	28.4	surprised
348.24	351.72	3.48	happy
351.76	373.88	22.12	neutral
374.04	377.72	3.68	angry
378	380.12	2.12	neutral
380.28	385.2	4.92	angry
385.4	386.52	1.12	neutral
386.8	388.28	1.48	happy
388.4	405	16.6	neutral
405.08	421.36	16.28	surprised
421.48	425.64	4.16	happy
425.88	441.64	15.76	surprised
441.8	443.88	2.08	happy

444	458.96	14.96	neutral
459.24	475.36	16.12	surprised
475.64	481.56	5.92	happy
481.88	490.76	8.88	surprised
491.08	492.16	1.08	happy
492.36	513.48	21.12	surprised
513.76	515.48	1.72	happy
515.92	567.96	52.04	surprised
568.12	589.16	21.04	neutral
589.52	610.28	20.76	surprised
610.36	611.32	0.96	angry
611.44	616.84	5.4	angry
617.2	621	3.8	surprised
621.2	629.64	8.44	neutral
630.04	631.12	1.08	surprised
631.44	641.12	9.68	neutral
641.56	643.36	1.8	surprised
644.52	658.36	13.84	surprised
658.56	658.92	0.36	very happy
658.96	662.04	3.08	happy
662.2	669.96	7.76	surprised
670.2	689.08	18.88	neutral
689.28	691.88	2.6	surprised
692.56	694.04	1.48	surprised
694.16	697.04	2.88	angry
697.24	697.36	0.12	angry
697.76	698.84	1.08	surprised
699.04	710.96	11.92	neutral
711.16	731.44	20.28	surprised
731.88	732.28	0.4	angry
732.56	732.88	0.32	surprised
733.2	733.52	0.32	angry
733.76	734.24	0.48	surprised
734.48	736.4	1.92	angry
736.68	755.68	19	surprised
756.36	758.92	2.56	happy
759.08	761.44	2.36	surprised
761.56	762.72	1.16	happy
763	769.36	6.36	surprised
769.48	788.36	18.88	neutral
788.68	799.52	10.84	surprised

799.96	801.2	1.24	happy
801.32	804.56	3.24	surprised
804.72	806.12	1.4	neutral
806.32	806.92	0.6	surprised
807	807.2	0.2	angry
807.36	808.6	1.24	surprised
808.96	809.6	0.64	angry
809.76	813.44	3.68	surprised
813.6	813.92	0.32	angry
814.08	814.84	0.76	surprised
814.96	815.28	0.32	angry
815.36	819.28	3.92	surprised
819.36	836.6	17.24	neutral
836.8	837.88	1.08	happy
838.2	850.52	12.32	surprised
850.64	856.92	6.28	neutral
857.12	859.84	2.72	surprised
860	876.24	16.24	neutral
876.32	884.28	7.96	surprised
884.52	887.88	3.36	happy
888.04	899.68	11.64	surprised
899.76	900.08	0.32	angry
900.32	904.44	4.12	surprised
904.56	906	1.44	neutral
906.2	906.6	0.4	happy
906.72	922.68	15.96	neutral
923	924.2	1.2	surprised
924.4	924.64	0.24	angry
924.72	925.33	0.61	surprised
925.64	925.92	0.28	angry
926.04	929.72	3.68	surprised
929.84	943.44	13.6	neutral
943.52	945	1.48	surprised
945.2	960.24	15.04	neutral
960.44	963.76	3.32	surprised
964	974.56	10.56	neutral
974.84	975.36	0.52	surprised
975.4	975.44	0.04	happy
975.68	976.4	0.72	happy
976.56	976.92	0.36	surprised
977	978.44	1.44	happy

978.92	982.72	3.8	happy
984.12	996.92	12.8	neutral
997.24	998.76	1.52	surprised
998.92	1002.64	3.72	happy
1003.4	1006.88	3.48	surprised
1007.12	1008.68	1.56	neutral
1009.44	1013.36	3.92	surprised
1013.72	1014.76	1.04	happy
1015.04	1019.36	4.32	surprised
1019.56	1028.96	9.4	neutral
1029.16	1030.24	1.08	surprised
1030.56	1030.92	0.36	angry
1031.04	1031.56	0.52	surprised
1031.72	1033.4	1.68	angry
1033.52	1043.4	9.88	neutral
1043.48	1044.96	1.48	surprised
1045.96	1060.52	14.56	surprised
1060.76	1065.4	4.64	happy
1065.52	1094.68	29.16	neutral
1095.48	1101.08	5.6	surprised
1101.36	1103.72	2.36	neutral
1104.04	1105.52	1.48	surprised
1105.68	1106.56	0.88	angry
1106.8	1107.52	0.72	happy
1107.84	1107.96	0.12	angry
1108.64	1109.04	0.4	angry
1109.32	1110.68	1.36	happy
1110.92	1111.28	0.36	happy
1111.48	1112.48	1	neutral
1113.12	1113.88	0.76	angry
1115.04	1117.44	2.4	neutral
1117.56	1117.96	0.4	surprised
1118.12	1137.32	19.2	neutral
1137.52	1138.32	0.8	angry
1138.6	1139.36	0.76	surprised
1139.72	1142.48	2.76	happy
1142.64	1142.76	0.12	angry
1142.92	1143	0.08	angry
1143.24	1144.72	1.48	surprised
1145.12	1148.04	2.92	happy
1148.68	1150.92	2.24	surprised

1151.16	1157.6	6.44	neutral
1158.12	1162	3.88	neutral
1163.88	1175.36	11.48	happy
1176.32	1186.2	9.88	surprised
1186.56	1188.68	2.12	happy
1189.08	1191.44	2.36	surprised
1191.84	1196.64	4.8	happy
1196.84	1205.72	8.88	neutral

### Emociones filtradas (Emotions Filtered):

<b>start</b>	<b>end</b>	<b>duration</b>	<b>Emotion Type</b>
12.6	14.48	1.88	happy
15.2	22.12	6.92	surprised
22.52	27.56	5.04	happy
28.48	44.64	16.16	happy
55.08	60.44	5.36	surprised
68.88	70.32	1.44	surprised
73	95.68	22.68	surprised
96.2	105.64	9.44	happy
105.64	111.36	5.72	surprised
111.52	114.72	3.2	happy
114.84	128	13.16	surprised
128.2	153.88	25.68	happy
154	160.96	6.96	surprised
161.76	175.12	13.36	happy
178.04	180.48	2.44	angry
180.6	187	6.4	surprised
225.64	236.48	10.84	surprised
244.76	247.92	3.16	happy
248.08	265.48	17.4	surprised
274.84	281.92	7.08	surprised
281.96	289.16	7.2	very happy
289.44	292.72	3.28	surprised
302.92	305.76	2.84	surprised
310.36	317.36	7	happy
317.36	348.08	30.72	surprised
348.24	351.72	3.48	happy
372.32	377.72	5.4	angry

378.28	385.2	6.92	angry
385.4	388.28	2.88	happy
404.2	421.36	17.16	surprised
421.48	424.28	2.8	happy
424.28	440.8	16.52	surprised
440.88	443.88	3	happy
449.8	455.84	6.04	relaxed
457.52	475.36	17.84	surprised
475.64	480.8	5.16	happy
480.8	490.76	9.96	surprised
492.36	513.48	21.12	surprised
515.92	552	36.08	surprised
587.96	609.28	21.32	surprised
609.36	614.96	5.6	angry
615.16	621	5.84	surprised
627.12	631.12	4	surprised
639.24	654.84	15.6	surprised
657.8	662.04	4.24	happy
662.2	669.96	7.76	surprised
688.32	693.6	5.28	surprised
693.72	698.68	4.96	angry
711.16	730.12	18.96	surprised
730.2	736.4	6.2	angry
760.92	768.44	7.52	surprised
788.68	799.52	10.84	surprised
805.16	810.84	5.68	surprised
812.88	817.76	4.88	angry
836.12	838.92	2.8	happy
838.92	850.52	11.6	surprised
856.32	859.84	3.52	surprised
872.76	875.32	2.56	unclear
876.68	883.08	6.4	surprised
883.32	887.2	3.88	surprised
887.28	899.68	12.4	surprised
918.84	924.2	5.36	surprised
926.04	929.72	3.68	surprised
939.8	948.52	8.72	unclear
948.52	953.48	4.96	happy
956	961.84	5.84	surprised
973.88	978.24	4.36	happy
995.68	998.76	3.08	surprised



998.92	1002.64	3.72	happy
1009.44	1013.36	3.92	surprised
1023.48	1028.04	4.56	happy
1029.16	1031.48	2.32	surprised
1031.72	1033.4	1.68	angry
1043.32	1060.52	17.2	surprised
1060.76	1065.4	4.64	happy
1105.2	1109.08	3.88	angry
1109.48	1114.6	5.12	surprised
1137	1139.36	2.36	surprised
1139.72	1153.92	14.2	happy
1163.88	1175.36	11.48	happy

Secuencia de frases pronunciadas mientras juega traducidas al inglés:

<b>start</b>	<b>end</b>	<b>duration</b>	<b>Translation Text</b>
1.2	2.32	1.12	Let's play game
6.64	8.12	1.48	Attack!
9.4	11.4	2	Damn! I have not successful...
15.44	18.36	2.92	Bah! ... Oh my mother, he caught me!
22.2	24.24	2.04	No, in this manner no
33.08	35	1.92	These heavys again , dude?
37.56	39.64	2.08	They will die by my sword!
40.36	43.04	2.68	I don't have to do nothing. I only have to arrive again.
47.2	48.52	1.32	This cable is tied
54.72	56.28	1.56	Hey! clever!
68.88	70.08	1.2	Ja ja ja!
70.76	71.48	0.72	intruders
72.96	75	2.04	EHH! Enough!

87	90.4	3.4	Climbing, climbing... my doll is climbing...
91.24	95.16	3.92	I didn't know that I doing this attack I waste blue energy
97.36	98.56	1.2	Attention!
106.72	107.68	0.96	Good!
111.32	113.84	2.52	I like the risk
115.16	117.16	2	Hey! Where do you go, silly?
134.96	135.88	0.92	I am...
142.52	146.24	3.72	Oh my mother! dude... nooooo, nooooo
146.6	147.52	0.92	Now
154.56	157.8	3.24	I would not have to have put in the little finger ... but I do not care.
178.64	183.08	4.44	Nooo, I have fallen. I have died.
187	189.84	2.84	The problem is that i had to draw the sword.
202.28	203.84	1.56	I've spent. Do I have to walk?
206.28	207.4	1.12	Maybe, right?
226.04	230.12	4.08	I hope I never have to amputate the thumb of the hand, because it would be a handicap to play here
246.16	247.28	1.12	Attention!
250.72	252.2	1.48	You go for your life
253	253.8	0.8	Peaceful!
256.76	258.56	1.8	Don't escape! scoundrel!
261.64	263.08	1.44	Uuuuh! chains!
282.92	286.4	3.48	Ja! Tremendous! What a great favor it has done me! Ja Ja
286.76	289.04	2.28	You have believed that i went , right? Goodbye!
290.44	292.28	1.84	Blimey! I don't have the key!
300.4	301.4	1	Noo!

302.52	303.96	1.44	What suffering!
304.64	305.52	0.88	Pain!
307.04	307.64	0.6	Uff!
310.2	312.12	1.92	They do not treat me well
312.6	313.88	1.28	Already, already
317.08	319.44	2.36	Attention! This is total yellow humor
322.52	323.76	1.24	Attention!
373.4	374.8	1.4	He is hesitating me
375.08	377.2	2.12	Come on! Come on my friend!
378.08	380.88	2.8	My friend... Don't hesitate me...
381.44	386.04	4.6	Ah! Ah! bear there! Ah! Good!
387.76	390	2.24	That has been the most difficult.
404.12	409.32	5.2	Oh my god! Chairs and tables attack me! Bastard! you will die by my sword!
416.76	420.24	3.48	I'll have to take one of these, I am like a little stunned.
423.76	425.64	1.88	I have energy...Eh!!!
428.56	432.08	3.52	What have you thought? that I'm Zaida? Die!
445.4	447	1.6	The wizard's room, man.
455.68	459	3.32	Oh my mother! colored lights! and appear pigs!
460.68	463.96	3.28	They will die struck with my combo attack! pa! pa! pa!
466.2	466.92	0.72	Eh!
477.8	479.8	2	He is so silly he does not know how to get out.
481.12	482.56	1.44	My friend! I can't exit!
483.28	484.8	1.52	I have to end with his ...
497.4	500.88	3.48	Oh my mother...I seem Iñigo Montoya defending here...
505.24	506	0.76	You die?

510.4	511.2	0.8	Eh!
521.68	524.96	3.28	You killed my father! Prepare to die!
535.08	537.04	1.96	Never going to stop this? right?
540.08	543.12	3.04	I have seen that a door was opened, but i'm focused in this.
545.96	547.36	1.4	Bastard! Die!
571.04	575.64	4.6	Noo! I will be caught by one of the pigs, because I can not maneuver well with the mouse.
592.56	594.24	1.68	This is another thing for me.
599.12	601.16	2.04	Attention! I have arrived to...
602.68	603.68	1	Uhh! a wall!
604.36	605.2	0.84	Uh!
606.12	608.04	1.92	Shit! I have been caught when I have passed by the middle.
609.12	611.28	2.16	Damn! I've been poisoned. They are clever, dude.
613.36	616.44	3.08	The wizard have wiles...Uhh, I have died.
618.72	621.04	2.32	This wizard is smarter than hunger.
621.68	622.4	0.72	Let's to see
625.68	626.88	1.2	I've been spared, no?
627.12	628.56	1.44	Oh my god! Dresses attack me!
630.2	631.44	1.24	The magical wardrobe.
632.76	633.68	0.92	Noo!
640.32	641.12	0.8	Attention!
644.16	646.48	2.32	Uff! This table and this chair ...
647.88	649.76	1.88	I see them treacherous.
658.6	661.16	2.56	Ooola! They throw me planets, dude!
665.16	666.68	1.52	I have to activate the mouse

675.04	678.92	3.88	This planetarium attack...It's a fucking.
685.44	686.48	1.04	Goes, dude.
688.68	691.52	2.84	Catch me if you can! jojojo
705.28	708	2.72	Let's see...I have the key of up there, no?
708.28	710	1.72	Damn! a planet there
714.24	715.72	1.48	Behold, I have enough
725.88	727.2	1.32	They are bastards, dude.
728.6	730.32	1.72	When I finish, you going to kill me.
731.68	732.48	0.8	and now ?
737.96	740.68	2.72	What do you think? Will it be easy getting there?
751.52	753.28	1.76	Uuula! How do I get, eh?
762.12	762.88	0.76	Blimey!
768.56	769.56	1	Now, it's O.K.
773.12	775.6	2.48	I still have much time to play.
784.24	787.08	2.84	Okey, We have already begun by strange puzzles, dude.
789.64	792.08	2.44	Within these towers, the sound is the key.
812.92	815.96	3.04	This is impossible to do so... with this means...
825.76	827.24	1.48	Come on, come on!
879.44	880.48	1.04	These two.
881.16	882.64	1.48	Quiet everybody!
883.4	884.64	1.24	Ja Ja!
887.24	889.68	2.44	These three dimensions have failed me.
891.96	893.48	1.52	There are mines, dude.
894.44	896.04	1.6	What you're telling me, man?
898.56	899.8	1.24	Oh, I have been pricked.

914.24	918.84	4.6	Welcome to the balance game.....We will try to make your life like a shit.
920.68	922.52	1.84	I think it will be long.
939.56	941.4	1.84	Another! turn! turn! turn!
943.72	945.04	1.32	OH! No!
948.8	952.08	3.28	The recital of control. Let's look around here.
956.16	957.28	1.12	What are you telling me??
961.8	963.8	2	Here already is spending life
995.68	997.36	1.68	I'll try to do it and see what happens.
998.12	998.88	0.76	Come on, hit!
1028.96	1029.88	0.92	He's a bastard.
1031.52	1034.4	2.88	Be brave! ooooh! I fall...
1035.76	1038.12	2.36	Oh my mother, you can hook when you want, eh?
1046.2	1047.36	1.16	You are here again.
1085.6	1088.48	2.88	Okay...very well...
1093.16	1095.08	1.92	I have to trust and work hard.
1105.84	1107.04	1.2	Oh! No!
1109.64	1111.4	1.76	Bah! Is not bad... Ohhhh!
1137.04	1139.64	2.6	Not again! please!!!
1142.84	1143.52	0.68	Nooo!
1144.6	1146.04	1.44	How long do I have?
1148.72	1149.96	1.24	Noooo!
1150.76	1151.8	1.04	Come on, come on
1168.6	1170	1.4	go up! go up!
1171.96	1173.28	1.32	Attention with this

1174.84	1175.84	1	Come on!
1202	1204.64	2.64	Attention with the bat!
1204.96	1206.24	1.28	STOP!



Ilustración 5: Antonio en estado "feliz".

### 3.6 Eva en videojuegos de acción

Eva es una mujer de 24 años. Habla en español. Estos son los resultados obtenidos después de analizar un video en el que Eva estaba jugando a un videojuego de acción durante unos 20 minutos aproximadamente. La primera columna indica el segundo en el video en el que empieza el estado emocional, la segunda el segundo en el que termina este estado, la tercera la duración en segundos del estado emocional y la cuarta el tipo de estado emocional o la frase pronunciada según la tabla.

Emociones que siente (Emotions Feeltrace):

start	end	duration	Emotion Type
0.4	38.36	37.96	neutral
38.76	47.4	8.64	happy
47.84	58.24	10.4	neutral
58.56	66.8	8.24	happy

67.08	95.24	28.16	neutral
95.6	97.12	1.52	happy
97.64	105	7.36	neutral
105.32	107.8	2.48	surprised
108.88	110.68	1.8	afraid
111.48	141.56	30.08	neutral
141.92	144.92	3	surprised
145.92	147.44	1.52	afraid
147.68	172.24	24.56	neutral
172.48	174.24	1.76	happy
174.88	191.16	16.28	neutral
191.48	193.56	2.08	surprised
194.04	195.68	1.64	angry
196.2	209.28	13.08	neutral
209.64	212.28	2.64	happy
213.56	238.96	25.4	neutral
239.24	249.24	10	happy
250.04	291.28	41.24	neutral
291.48	295.2	3.72	happy
295.84	296.32	0.48	surprised
296.8	296.84	0.04	angry
297.04	298.56	1.52	afraid
298.68	301.72	3.04	angry
302	309.72	7.72	neutral
309.96	311.32	1.36	happy
311.52	317.6	6.08	neutral
317.84	323.36	5.52	happy
323.72	397.88	74.16	neutral
398.08	401.48	3.4	surprised
402.68	405.76	3.08	afraid
407	452.6	45.6	neutral
453	461.92	8.92	surprised
462.28	467.56	5.28	happy
467.8	477.6	9.8	neutral
477.92	480.36	2.44	surprised
480.8	513.44	32.64	neutral
513.72	515.24	1.52	happy
515.6	526.72	11.12	neutral
526.92	529.76	2.84	happy
530.24	559.96	29.72	neutral
560.36	562.44	2.08	surprised



563.48	565.96	2.48	surprised
566.36	573.16	6.8	neutral
573.96	576.12	2.16	neutral
576.36	578.28	1.92	surprised
578.88	583.16	4.28	afraid
583.44	583.56	0.12	neutral
583.88	587.64	3.76	happy
587.84	608.76	20.92	neutral
608.96	609.92	0.96	surprised
610.24	612.72	2.48	neutral
612.96	614.28	1.32	angry
614.68	618.16	3.48	neutral
618.48	621.96	3.48	surprised
622.48	622.52	0.04	angry
622.6	623.88	1.28	angry
624.56	631.72	7.16	neutral
631.88	635.6	3.72	happy
635.72	642.2	6.48	neutral
642.48	645.16	2.68	happy
645.52	693.52	48	neutral
693.64	693.68	0.04	happy
693.72	693.96	0.24	very happy
694.04	696.76	2.72	happy
697	704.28	7.28	neutral
704.64	709.16	4.52	happy
709.44	725.4	15.96	neutral
725.76	741.28	15.52	surprised
741.68	743	1.32	happy
743.12	747.76	4.64	very happy
747.96	748.28	0.32	happy
748.52	774.92	26.4	neutral
775.08	778.4	3.32	happy
778.68	784.2	5.52	neutral
784.56	786.08	1.52	surprised
786.84	794.28	7.44	angry
794.68	800.96	6.28	happy
801.52	805.12	3.6	happy
805.48	807.56	2.08	neutral
807.88	811.12	3.24	angry
812.36	817.92	5.56	neutral
818.24	823	4.76	surprised

823.8	835.88	12.08	neutral
836.44	838.08	1.64	angry
838.52	881.88	43.36	neutral
882.28	884.88	2.6	surprised
885.48	897	11.52	neutral
897.2	898.84	1.64	surprised
899.16	905.16	6	neutral
905.48	907.4	1.92	surprised
908.6	908.68	0.08	angry
908.76	910.64	1.88	afraid
910.92	933.04	22.12	neutral
933.32	935.12	1.8	afraid
935.4	963.44	28.04	neutral
963.8	965.56	1.76	surprised
966.08	969.68	3.6	neutral
969.92	973.92	4	happy
974.32	974.92	0.6	afraid
975.12	976.92	1.8	angry
977.32	1002.12	24.8	neutral
1002.4	1003.56	1.16	afraid
1003.68	1003.76	0.08	neutral
1003.88	1005.96	2.08	happy
1006.16	1013.24	7.08	neutral
1013.72	1015.6	1.88	surprised
1016.2	1021.52	5.32	neutral
1021.88	1023.24	1.36	afraid
1023.36	1023.56	0.2	neutral
1024.04	1026.64	2.6	happy
1027.04	1032.28	5.24	neutral
1032.56	1033	0.44	happy
1033.16	1037.2	4.04	happy
1037.68	1047.04	9.36	neutral
1047.32	1049.24	1.92	surprised
1049.72	1108.56	58.84	neutral
1109	1112.72	3.72	afraid
1113.12	1129.2	16.08	neutral
1129.4	1131.36	1.96	surprised
1131.92	1136.96	5.04	neutral
1137.24	1145	7.76	angry
1145.84	1148.56	2.72	happy
1148.8	1206.6	57.8	neutral

## Emociones filtradas (Emotions Filtered):

<b>start</b>	<b>end</b>	<b>duration</b>	<b>Emotion Type</b>
38.76	47.4	8.64	happy
58.56	66.8	8.24	happy
95.6	97.12	1.52	happy
105.32	107.8	2.48	surprised
108.88	110.68	1.8	afraid
141.92	144.92	3	surprised
145.92	147.44	1.52	afraid
172.48	174.24	1.76	happy
191.48	193.56	2.08	surprised
194.04	195.68	1.64	angry
209.64	212.28	2.64	happy
239.24	249.24	10	happy
291.48	295.2	3.72	happy
297.04	298.56	1.52	afraid
298.68	301.72	3.04	angry
309.96	311.32	1.36	happy
317.84	323.36	5.52	happy
398.08	401.48	3.4	surprised
402.68	405.76	3.08	afraid
453	461.92	8.92	surprised
462.28	467.56	5.28	happy
477.92	480.36	2.44	surprised
513.72	515.24	1.52	happy
526.92	529.76	2.84	happy
560.36	562.44	2.08	surprised
563.48	565.96	2.48	surprised
576.36	578.28	1.92	surprised
578.88	583.16	4.28	afraid
583.88	587.64	3.76	happy
608.96	609.92	0.96	surprised
612.96	614.28	1.32	angry
618.48	621.96	3.48	surprised
622.6	623.88	1.28	angry
631.88	635.6	3.72	happy
642.48	645.16	2.68	happy
694.04	696.76	2.72	happy
704.64	709.16	4.52	happy

725.76	741.28	15.52	surprised
741.68	743	1.32	happy
743.12	747.76	4.64	very happy
775.08	778.4	3.32	happy
784.56	786.08	1.52	surprised
786.84	794.28	7.44	angry
794.68	800.96	6.28	happy
801.52	805.12	3.6	happy
807.88	811.12	3.24	angry
818.24	823	4.76	surprised
836.44	838.08	1.64	angry
882.28	884.88	2.6	surprised
897.2	898.84	1.64	surprised
905.48	907.4	1.92	surprised
908.76	910.64	1.88	afraid
933.32	935.12	1.8	afraid
963.8	965.56	1.76	surprised
969.92	973.92	4	happy
974.32	974.92	0.6	afraid
975.12	976.92	1.8	angry
1002.4	1003.56	1.16	afraid
1003.88	1005.96	2.08	happy
1013.72	1015.6	1.88	surprised
1021.88	1023.24	1.36	afraid
1024.04	1026.64	2.6	happy
1033.16	1037.2	4.04	happy
1047.32	1049.24	1.92	surprised
1109	1112.72	3.72	afraid
1129.4	1131.36	1.96	surprised
1137.24	1145	7.76	angry
1145.84	1148.56	2.72	happy

Secuencia de frases pronunciadas mientras juega traducidas al inglés:

start	end	duration	Translation Text
16.76	17.8	1.04	This is for me.

19.04	20.24	1.2	O.k. yes
21.6	23.12	1.52	Let's see, where I can go.
23.4	25	1.6	Ayy! The have done me damage.
33.84	36.88	3.04	I'm coming for you! Ayy! Bastard!
37.44	38.32	0.88	Shot!
39.16	41.96	2.8	Let's see, wait here. I can't remember.
43.8	44.76	0.96	Here!
46.44	52.2	5.76	Mmmm, this was the key... oh yes! okey!
52.64	54.6	1.96	This is very difficult to pass!
58.64	60.28	1.64	This is very good!
61.4	62.08	0.68	Okey
93.76	95	1.24	Here! Die!
97.12	99.56	2.44	And now? How Can I go out from here?
100.88	101.88	1	Let's to see
103.68	105	1.32	How Can I go out from here?
107.44	109	1.56	Uuuh! Shot! Well...
126.16	128.08	1.92	Are the books there? No...
131.52	133.28	1.76	I'm confused
134.48	136.36	1.88	I don't know how go out from here...
137.2	138.16	0.96	I going to see what happens
138.84	139.48	0.64	Ah!
140.2	142.76	2.56	I had not seen it
144.24	147.24	3	Ahhrgg! I was wrong...
150.28	154.24	3.96	I going to do it again...Come on...There! she-ass! Here!
158.24	159.52	1.28	I'm going backwards

170.88	171.76	0.88	Now
173.68	174.84	1.16	Be careful!
179.24	179.96	0.72	And now?
180.6	181.6	1	Now where am I going?
182.76	183.6	0.84	Eeeh!
185.68	186.88	1.2	Asshole!
189.76	193.6	3.84	Is it water? Ahhrg! Bastard!!!
195.04	196.68	1.64	He has became me like a seal
201.04	204.08	3.04	The essences...Where are the essences?
208.04	209.76	1.72	Come on! Shot Shot!
210.72	211.28	0.56	Come on
212.92	213.72	0.8	This is for me
217.64	219.56	1.92	I'm fighting on the air
225.56	227.64	2.08	It is a turn a bit unnecessary, no?
228	231.16	3.16	Why I don't go by here? Don't I fit? No...Damn...
231.96	232.8	0.84	Well...
233.92	236.28	2.36	Let's see, How works it?
240.24	243.76	3.52	I love this jajaja!
250.96	251.92	0.96	Come on
257.6	259.28	1.68	The books again
262.6	265.16	2.56	This is for me. There's something else here? No...
269.64	270.72	1.08	Let's see
282.16	285.44	3.28	I do not understand well how I can get out of here...
285.72	287.6	1.88	Let's see...Are you going to fall or not?

292.88	293.96	1.08	Come on! Fall!
296.2	299.08	2.88	Damn! Bastard!
300.84	304.4	3.56	Ehh green man! I've already thought of.
316.28	319.24	2.96	Come here bartard! Get ready...I will for you
320.32	321.84	1.52	I will kill even the table
334.28	335.6	1.32	Come on
337.24	337.76	0.52	Mine
339.44	341	1.56	Come on...come here
356.4	357.64	1.24	I go because i need something
399.24	403.92	4.68	I'm stupid!!! I'm silly...
419.84	420.76	0.92	Come on...
423.76	424.64	0.88	Here!
435.64	437.96	2.32	Oh my god! I didn't see the door...
448.72	449.68	0.96	Here no
464	466.64	2.64	And now? What have happened here?
469.92	470.68	0.76	It's broken
473.4	474.2	0.8	Noo!
475.68	477.72	2.04	I arrived up? no, neither
485.08	486.72	1.64	I don't know how can I go out from here
487.04	487.8	0.76	Jump?
499.04	500.2	1.16	I do not fit there.
505.92	508.44	2.52	Finally! I got it! it was very difficult for me...
512.68	513.52	0.84	Flames
516.4	517.6	1.2	And now where
518.84	519.68	0.84	Damn!

527.68	530.64	2.96	For me, for me... I don't know if I pass the game, but i going to catch all the things
538.8	540.48	1.68	And this key ?
543.08	543.88	0.8	What is this?
545.52	546.56	1.04	Well...nothing.
547.36	548.76	1.4	I already entered...where is the key?
552.84	554.12	1.28	Where is the key ?
555.4	556.28	0.88	I jump here?
558.52	559.84	1.32	Blimey! What a hit!
567	569.04	2.04	Look! a freak...
571.84	574.32	2.48	Come on! I'm coming for you! Nooo! Shit!!!
576.28	578.36	2.08	Shit! Damn...
579.32	580.04	0.72	There!
581.72	584.04	2.32	Shot! Shot!
585.92	588.08	2.16	Let's see, What is this pot? nothing...
590.44	592.08	1.64	I going to kill him soon
593.88	594.64	0.76	Walk!
599.84	600.76	0.92	Okey...
601.08	602	0.92	Don't burn me
606.56	607.48	0.92	What a condemn!
607.68	608.28	0.6	Oh!
616.32	617.64	1.32	Oh! Look!
618.04	619.92	1.88	Oh no! This is not a key.
622.84	625.4	2.56	Here it is! Now I have to crouch down.
630.56	633.04	2.48	How cool! I already have the key!
			How



633.68	636.84	3.16	I can get out of here? Okey... here. Come on again
645.92	648.2	2.28	Let's see because it looks bad
650.12	651.08	0.96	Of course...
652.32	655	2.68	Let's see...now i have to sheathe...okay
658.84	660.8	1.96	Okay...Eh! What have happened?
661.64	663.16	1.52	I made two big races before...
667.08	669.68	2.6	Okey...And now? I can't remember where I was...
670.12	673.08	2.96	I already come back, it was here
674.12	678.32	4.2	Yes... To use the key, you have to have the arm sheathed and press the zero key
681.48	682.08	0.6	Already?
691.12	692.8	1.68	Oh! At last...
694.04	695.2	1.16	It took me a lot
695.84	696.88	1.04	Is it put correctly?
699	699.52	0.52	Okey...
703.16	705	1.84	Ooh! I have passed to a new stage.
705.6	706.2	0.6	Oh!
707.44	712	4.56	How can I defend myself from this flames? Okey, I crouch down and I go.
712.84	714.28	1.44	How could I crouch down?
721.08	722.2	1.12	No! And now?
723.08	726.56	3.48	What a bugger! How I can get out of here?
727.24	728.04	0.8	Blimey!
731.12	733.28	2.16	And here? this?
736.48	737.24	0.76	Oh! no
744.48	745.28	0.8	I did wrong this.
749.68	751.4	1.72	Open... Sesame

752.56	753.28	0.72	Open...
757.24	759.68	2.44	There will be nothing here. A treasure?
776.28	778.04	1.76	I do not trust this carpet.
782.4	783.12	0.72	Blimey!
785.52	787.52	2	Shot! Shot! Shot! Shot!
788.32	791.24	2.92	Shot! well done!
793.6	794.44	0.84	Cool
800.36	801.4	1.04	Bravo! For me!
802.28	804.92	2.64	Let's see... More? Christ! The are very heavy
805.44	806.56	1.12	Come on!
816.48	818.08	1.6	bloody hell! and now?
824.48	827.08	2.6	Oh! This carpet scares me!
831.76	832.4	0.64	Okey
840.88	842.12	1.24	Let's see now
842.64	844.08	1.44	How I can get out of here?
844.72	846.56	1.84	I have fear of going to the carpet
851.12	854.24	3.12	No. Then let's see what there are here at this moment.
857.96	859.4	1.44	Oh! this rope...
861.44	863.68	2.24	What do I do? I have to climb to somewhere
869.92	872.6	2.68	Is impossible that I climb there
873.52	874.24	0.72	No
876.24	877.04	0.8	Let's see
880.68	882.56	1.88	Oh! Look! There is a boiler here
885.44	886.36	0.92	Blimey!

886.96	889	2.04	Climb! Climb! Why you don't climb?
889.92	891.28	1.36	Why you don't climb?
894.24	898.88	4.64	Oh! Oh! Now I understand it. I want to do everything at once.
901.4	902.28	0.88	Let's see
903.64	905.72	2.08	Christ! They have done it very difficult...
907.72	909.6	1.88	No! ... I going to pass through here.
916.92	917.8	0.88	Oh! No!
918.64	919.92	1.28	I'm wrong
925.44	927.08	1.64	Let's see
927.84	928.6	0.76	Where were you?
929	929.8	0.8	Here?
932.64	933.4	0.76	Light!
948.84	952.48	3.64	Oh! up! but don't fail... and there isn't a rope.
961.68	963.28	1.6	Oh! the rope!
964.28	965.04	0.76	Okey
968.64	969.84	1.2	Oh! How cool!
972.92	975.84	2.92	No! Damn! Shit!
978.8	979.76	0.96	again
991	993.84	2.84	Let's see Eva...let's see if we can get this straight.
1002.52	1003.44	0.92	Bravo!
1004	1004.88	0.88	Come on!
1005.64	1006.48	0.84	And now?
1008.6	1010.44	1.84	Here too I have to do the same
1011.44	1014.72	3.28	Oh! Now also? Oh! Okey! Christ...is difficult!
1016.4	1017.12	0.72	Leet's see

1022.56	1023.72	1.16	Cool!
1024.48	1025.8	1.32	No! because I have this
1027.52	1029.68	2.16	Now I do it and...
1030.84	1032.4	1.56	Well done! at last
1033.68	1035.96	2.28	Okey...Now I have to use the rope
1038.64	1039.68	1.04	And now?
1040.68	1041.4	0.72	Here
1044	1044.92	0.92	Oh!
1051	1051.92	0.92	Is impossible
1054.44	1055.92	1.48	Now is the time. Come on.
1057.76	1058.8	1.04	For me
1062.92	1064.56	1.64	And now from here... What?
1065.72	1067.44	1.72	Let's see what there are there
1070.4	1071.24	0.84	Let's see
1073.92	1077.32	3.4	I can not exit here... Oh! yes!
1081.88	1083.88	2	Damn! It's very difficult to exit!
1098.64	1099.64	1	What a bore!
1111.52	1114.96	3.44	I would have to jump down, but from here I can?
1120.44	1121.4	0.96	Oh! yes
1122.48	1124.48	2	I thought I was going to hurt.
1126.68	1128.24	1.56	Oh! how funny!
1130.52	1131.36	0.84	Again
1136.76	1137.84	1.08	Turn round!
1140	1140.8	0.8	Come on!

1143.08	1145.36	2.28	Shot! Shot! well...
1146	1146.8	0.8	What else?
1147.52	1149.96	2.44	Let's see...Where has been the girl?
1150.36	1151.04	0.68	She going to come back
1153.48	1154.2	0.72	Blimey!
1157	1165.24	8.24	Carry objects... means that I can not catch the princess with the weapon out which is a bit difficul
1168.68	1169.32	0.64	Okey...
1169.68	1172.36	2.68	The robot gentleman...How cool!
1173.96	1174.72	0.76	No!
1176	1177.16	1.16	Bloody hell!
1177.6	1178.32	0.72	Okay
1182.56	1184.44	1.88	Okay...Where is the ring?
1188.6	1190.28	1.68	Should go there?
1191.12	1192	0.88	And What is this?
1193.6	1194.28	0.68	This
1200.48	1201.96	1.48	I can not ... STOP!

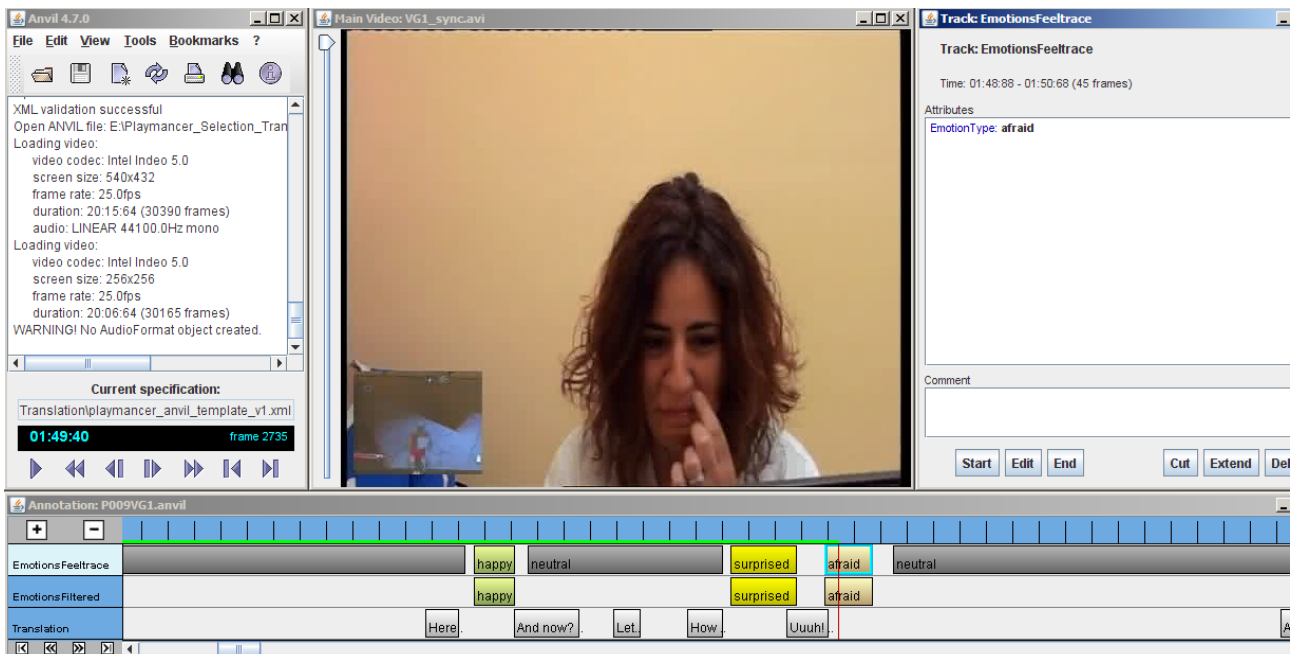


Ilustración 6: Eva en estado "asustado".

### 3.7 Alexis en videojuegos de acción

Alexis es un hombre de 30 años. Habla en catalán. Estos son los resultados obtenidos después de analizar un video en el que Alexis estaba jugando a un videojuego de acción durante unos 20 minutos aproximadamente. La primera columna indica el segundo en el video en el que empieza el estado emocional, la segunda el segundo en el que termina este estado, la tercera la duración en segundos del estado emocional y la cuarta el tipo de estado emocional o la frase pronunciada según la tabla.

Emociones que siente (Emotions Feeltrace):

start	end	duration	Emotion Type
0.25	7.76	7.51	neutral
8.2	12.88	4.68	relaxed
12.92	19.2	6.28	neutral
19.32	19.36	0.04	happy
19.84	26.48	6.64	happy
27	30.24	3.24	sad
30.4	37.4	7	neutral
37.68	48.2	10.52	surprised
48.36	48.4	0.04	angry

48.56	49.44	0.88	angry
49.84	50.84	1	sad
50.88	51	0.12	neutral
51.36	53.04	1.68	surprised
53.44	55.52	2.08	sad
55.6	74.64	19.04	neutral
75	77.8	2.8	surprised
78	80.48	2.48	neutral
80.6	81.32	0.72	angry
81.48	83.4	1.92	neutral
83.84	85.32	1.48	happy
85.52	87.2	1.68	neutral
87.44	88.36	0.92	surprised
88.6	95.28	6.68	neutral
95.48	100.8	5.32	surprised
100.92	101.04	0.12	surprised
101.16	101.2	0.04	very relax
102.28	109.56	7.28	neutral
110	120.16	10.16	surprised
120.4	122.4	2	neutral
122.88	124.4	1.52	angry
124.6	125.08	0.48	afraid
125.24	131.32	6.08	neutral
131.6	132.2	0.6	angry
132.88	135.4	2.52	happy
135.6	136.76	1.16	neutral
136.92	139.6	2.68	sad
139.68	165.92	26.24	neutral
166.28	169	2.72	happy
169.28	173.6	4.32	neutral
173.76	173.8	0.04	neutral
173.88	180.52	6.64	neutral
180.88	182.16	1.28	surprised
182.32	182.76	0.44	neutral
182.92	191.32	8.4	neutral
191.48	195.56	4.08	happy
195.76	197.76	2	neutral
198.16	200.52	2.36	surprised
200.8	216.92	16.12	neutral
217.28	218.56	1.28	happy
218.88	219	0.12	neutral

219.32	250.32	31	neutral
250.96	256.44	5.48	surprised
257.32	258.72	1.4	neutral
259.16	260.48	1.32	happy
261.88	262.28	0.4	happy
263.76	265.96	2.2	happy
266.28	266.8	0.52	angry
266.96	278.76	11.8	neutral
279.12	283.52	4.4	surprised
283.8	291.36	7.56	neutral
291.76	301.68	9.92	happy
302.28	303.44	1.16	surprised
303.6	307.8	4.2	neutral
308.48	314.04	5.56	neutral
314.52	317.28	2.76	neutral
317.64	319.44	1.8	angry
319.72	331.36	11.64	neutral
331.84	332.68	0.84	surprised
332.92	361.56	28.64	neutral
362.04	362.16	0.12	neutral
362.36	365.68	3.32	bored
365.88	390.88	25	neutral
391.08	395.36	4.28	surprised
395.76	396.6	0.84	neutral
396.88	397.6	0.72	angry
398.08	402.28	4.2	neutral
402.64	403.92	1.28	surprised
404.2	415.96	11.76	neutral
416.44	421.72	5.28	happy
422.08	422.56	0.48	neutral
422.68	423.48	0.8	neutral
423.96	427.76	3.8	happy
428.24	431.52	3.28	neutral
431.96	433.56	1.6	surprised
434.12	444.92	10.8	neutral
445.08	447.68	2.6	bored
447.8	453.36	5.56	neutral
453.4	453.44	0.04	angry
453.64	454.52	0.88	angry
454.64	456.72	2.08	neutral
456.96	458.4	1.44	angry



458.72	463.2	4.48	neutral
463.4	464.92	1.52	surprised
465.16	465.44	0.28	neutral
465.76	468.24	2.48	surprised
468.56	498.28	29.72	neutral
498.64	501.08	2.44	sad
501.28	502.16	0.88	afraid
502.32	502.76	0.44	afraid
502.84	502.96	0.12	angry
503.16	506.16	3	surprised
506.4	518.52	12.12	neutral
518.76	523.08	4.32	bored
523.36	525.44	2.08	neutral
526.16	527.48	1.32	angry
527.92	541	13.08	neutral
541.24	543.04	1.8	happy
543.4	573.76	30.36	neutral
574.16	576.24	2.08	surprised
576.88	587.76	10.88	neutral
588.2	588.96	0.76	bored
589.16	616.56	27.4	neutral
616.84	618.56	1.72	happy
618.8	622.12	3.32	neutral
622.16	622.72	0.56	angry
622.84	623.88	1.04	neutral
624.32	628.44	4.12	happy
629.08	629.16	0.08	relaxed
629.28	629.72	0.44	relaxed
629.84	634.76	4.92	neutral
634.88	638.64	3.76	surprised
639.12	652.04	12.92	neutral
652.32	654.08	1.76	surprised
654.24	660.08	5.84	neutral
660.24	663.92	3.68	happy
664.48	673.04	8.56	neutral
673.4	680.36	6.96	surprised
681.12	684.56	3.44	neutral
684.88	685.88	1	happy
685.96	704	18.04	neutral
704.16	706.68	2.52	surprised
707.2	710.08	2.88	neutral

710.28	713.76	3.48	surprised
714	725	11	neutral
725.28	728	2.72	surprised
728.68	730.12	1.44	surprised
730.64	746.2	15.56	angry
746.48	750.96	4.48	neutral
751.24	752.08	0.84	happy
752.32	788.12	35.8	neutral
788.36	789.8	1.44	surprised
790.28	795.6	5.32	happy
795.76	796.2	0.44	neutral
797.4	803.04	5.64	neutral
803.4	807.84	4.44	surprised
808.24	828.56	20.32	neutral
828.72	838.16	9.44	surprised
839.36	849.36	10	angry
849.44	853.76	4.32	afraid
854.08	858.64	4.56	neutral
858.8	860.32	1.52	happy
860.6	865.12	4.52	neutral
865.28	866.72	1.44	happy
866.96	868	1.04	neutral
868.12	871.24	3.12	surprised
872	876.52	4.52	sad
876.6	879.68	3.08	bored
879.84	886.48	6.64	neutral
887.28	893.08	5.8	sad
893.32	898.2	4.88	neutral
898.36	901.24	2.88	surprised
901.44	916.64	15.2	neutral
916.92	917.4	0.48	happy
918.08	928.84	10.76	happy
929.24	933	3.76	surprised
933.28	947.24	13.96	happy
947.84	950.44	2.6	surprised
950.92	953.76	2.84	happy
954.24	967.28	13.04	neutral
967.96	968.44	0.48	angry
968.6	974	5.4	neutral
974.2	980.88	6.68	surprised
981.28	998.88	17.6	neutral

999.2	1002.72	3.52	angry
1003.52	1007.12	3.6	neutral
1007.44	1009.32	1.88	surprised
1009.72	1011.72	2	neutral
1011.92	1013.12	1.2	angry
1013.6	1017.84	4.24	happy
1018	1023.76	5.76	neutral
1023.92	1027.76	3.84	surprised
1028.12	1040.96	12.84	happy
1041.2	1048.32	7.12	neutral
1048.56	1049.88	1.32	surprised
1050.16	1054.28	4.12	neutral
1054.64	1057.8	3.16	surprised
1058.08	1061.72	3.64	angry
1062	1062.88	0.88	neutral
1063.28	1064.92	1.64	surprised
1065.12	1065.28	0.16	neutral
1065.48	1075.08	9.6	bored
1075.16	1075.28	0.12	neutral
1075.8	1078.56	2.76	surprised
1079	1087.84	8.84	neutral
1088.08	1093.68	5.6	surprised
1093.84	1118.24	24.4	neutral
1118.52	1122.52	4	happy
1122.84	1139.24	16.4	neutral
1139.4	1142.36	2.96	neutral
1142.48	1144.16	1.68	relaxed
1144.2	1145.64	1.44	neutral
1145.8	1147.24	1.44	happy
1147.52	1163.08	15.56	neutral
1163.48	1164.28	0.8	neutral
1165.04	1166.72	1.68	bored
1166.84	1168	1.16	neutral
1168.28	1184.28	16	surprised
1184.68	1202.68	18	neutral
1202.76	1203.6	0.84	happy

## Emociones filtradas (Emotions Filtered):

<b>start</b>	<b>end</b>	<b>duration</b>	<b>Emotion Type</b>
8.2	12.88	4.68	relaxed
19.84	26.48	6.64	happy
27	30.24	3.24	sad
37.68	48.2	10.52	surprised
48.56	49.44	0.88	angry
49.84	50.84	1	sad
51.36	53.04	1.68	surprised
53.44	55.52	2.08	sad
75	77.8	2.8	surprised
80.6	81.32	0.72	angry
83.84	85.32	1.48	happy
87.44	88.36	0.92	surprised
95.48	100.8	5.32	surprised
110	120.16	10.16	surprised
122.88	124.4	1.52	angry
131.6	132.2	0.6	angry
132.88	135.4	2.52	happy
136.92	139.6	2.68	sad
166.28	169	2.72	happy
180.88	182.16	1.28	surprised
191.48	195.56	4.08	happy
198.16	200.52	2.36	surprised
217.28	218.56	1.28	happy
250.96	256.44	5.48	surprised
259.16	260.48	1.32	happy
263.76	265.96	2.2	happy
279.12	283.52	4.4	surprised
291.76	301.68	9.92	happy
302.28	303.44	1.16	surprised
317.64	319.44	1.8	angry
331.84	332.68	0.84	surprised
362.36	365.68	3.32	bored
391.08	395.36	4.28	surprised
396.88	397.6	0.72	angry
402.64	403.92	1.28	surprised
416.44	421.72	5.28	happy

423.96	427.76	3.8	happy
431.96	433.56	1.6	surprised
445.08	447.68	2.6	bored
453.64	454.52	0.88	angry
456.96	458.4	1.44	angry
463.4	464.92	1.52	surprised
465.76	468.24	2.48	surprised
498.64	501.08	2.44	sad
501.28	502.16	0.88	afraid
503.16	506.16	3	surprised
518.76	523.08	4.32	bored
526.16	527.48	1.32	angry
541.24	543.04	1.8	happy
574.16	576.24	2.08	surprised
588.2	588.96	0.76	bored
616.84	618.56	1.72	happy
624.32	628.44	4.12	happy
634.88	638.64	3.76	surprised
652.32	654.08	1.76	surprised
660.24	663.92	3.68	happy
673.4	680.36	6.96	surprised
684.88	685.88	1	happy
704.16	706.68	2.52	surprised
710.28	713.76	3.48	surprised
725.28	728	2.72	surprised
728.68	730.12	1.44	surprised
730.64	746.2	15.56	angry
751.24	752.08	0.84	happy
788.36	789.8	1.44	surprised
790.28	795.6	5.32	happy
803.4	807.84	4.44	surprised
828.72	838.16	9.44	surprised
839.36	849.36	10	angry
849.44	853.76	4.32	afraid
858.8	860.32	1.52	happy
865.28	866.72	1.44	happy
868.12	871.24	3.12	surprised
872	876.52	4.52	sad
876.6	879.68	3.08	bored
887.28	893.08	5.8	sad
898.36	901.24	2.88	surprised

918.08	928.84	10.76	happy
929.24	933	3.76	surprised
933.28	947.24	13.96	happy
947.84	950.44	2.6	surprised
950.92	953.76	2.84	happy
974.2	980.88	6.68	surprised
999.2	1002.72	3.52	angry
1007.44	1009.32	1.88	surprised
1011.92	1013.12	1.2	angry
1013.6	1017.84	4.24	happy
1023.92	1027.76	3.84	surprised
1028.12	1040.96	12.84	happy
1048.56	1049.88	1.32	surprised
1054.64	1057.8	3.16	surprised
1058.08	1061.72	3.64	angry
1063.28	1064.92	1.64	surprised
1065.48	1075.08	9.6	bored
1075.8	1078.56	2.76	surprised
1088.08	1093.68	5.6	surprised
1118.52	1122.52	4	happy
1142.48	1144.16	1.68	relaxed
1145.8	1147.24	1.44	happy
1165.04	1166.72	1.68	bored
1168.28	1184.28	16	surprised
1202.76	1203.6	0.84	happy

Secuencia de frases pronunciadas mientras juega traducidas al inglés:

<b>start</b>	<b>end</b>	<b>duration</b>	<b>Translation Text</b>
17.4	19.12	1.72	They already are killing me.
20.96	22	1.04	Oh! They have killed me.
22.16	23.92	1.76	Bloody hell! How can I turn?
28.08	29.44	1.36	Okey dude, I already understand it.
36.56	38.88	2.32	Oh dude! What happens here?

47.44	49.32	1.88	Oh! Well!
52.84	54.04	1.2	It's is very difficult...
58.28	58.88	0.6	Let's see
70.84	71.64	0.8	Okey
79.84	80.68	0.84	Oh! dude!
82.6	83.36	0.76	Now
87.76	90.6	2.84	Blimey! He goes! he goes! he goes!
104.88	105.48	0.6	Oh no...
128.92	129.68	0.76	Oh! Oh!
134.4	136.28	1.88	Bloody hell! I com back to the beginning
139.56	140.08	0.52	Oh! no...
141.64	142.36	0.72	Oh! yes...
147.68	148.8	1.12	Okey dude
153.04	153.96	0.92	Now
166.8	168.2	1.4	They are very wicked, eh?
179.68	180.76	1.08	Oh! Oh!
212.28	212.96	0.68	Well!
214.32	216.44	2.12	It's the library of the Rosa name.
230.76	232.04	1.28	He is great, no?
232.68	233.24	0.56	Well!
249.12	250.2	1.08	I can't enter
255.16	256.48	1.32	He does somersaults, no?
260.56	262.36	1.8	Oh! Oh! Oh! Okay, here!
264.52	266.28	1.76	Eh! I can't! Now...

270.36	271.32	0.96	Come on! Goodbye!
277.76	279.04	1.28	What's there, man?
286.8	287.44	0.64	No
288.36	289.04	0.68	Oh! oh!
289.52	290.32	0.8	Oh! oh!
296.44	297.52	1.08	He is kind, not?
297.92	300.68	2.76	Noo dude! Well!
305.72	307.44	1.72	Here is where i was before, no?
307.88	309.56	1.68	I'm sure now he fell over ground
318.64	320.08	1.44	He si very wicked, eh?
321.36	323.76	2.4	How much life do I have? Well, I still have enough...
332.48	333.12	0.64	Oh! Oh!
335.24	336.4	1.16	I'm sure this is the correct path
338.44	339.4	0.96	I turned back?
345.68	346.36	0.68	Goodbye
353.08	354.32	1.24	I don't know where I am dude
355.04	356.56	1.52	I think I've come back, eh?
359.12	359.88	0.76	yes yes
363.44	365.04	1.6	Where do they give the rings here?
367.72	369	1.28	Hence...oh!
371.4	372.16	0.76	Where I am now?
372.44	373.56	1.12	Oh my friend...
374.12	374.84	0.72	Good!
376.6	378.28	1.68	I'm sure a monster goes out of inside, dude.
382.2	383.24	1.04	Come on



386.16	387.2	1.04	Okey
391.48	392.16	0.68	Oh! Oh!
395.44	396.84	1.4	What's wrong? no...
421.12	423.32	2.2	He has left me folded, dude...
425.32	427.16	1.84	Blimey! Where I am now? Let's see...
429	430.68	1.68	Eh! I've been here?
435.36	436.88	1.52	I think I was here, eh?
440.2	441.64	1.44	Yes yes... I was here
445.48	446.88	1.4	Come on Tirant Lo Blanch!
447.24	450.2	2.96	Hits himself against the wall. It's incredible. He
450.68	452.76	2.08	I'm going to kill some books. Shot!
453.68	454.48	0.8	Now, he don't come back
455	457.04	2.04	Dude! Dude! focus!
457.72	458.88	1.16	He is silly, dude.
461.84	463	1.16	Eh! Here there is something dude!
464.96	466.6	1.64	Turn! turn! turn!
467.56	469.36	1.8	Hit him! Hit him! Hit him hard!
484.52	485.48	0.96	Kill him!
492.32	494.96	2.64	I have no life almost
502.04	502.8	0.76	Oh! Oh!
515.36	516.04	0.68	Christ!
527.52	529.64	2.12	If I kill the books, I win
531.08	532.52	1.44	And here?
538.8	540.56	1.76	Well...I have life again

542.76	544.04	1.28	Let's see what there are here
548.88	551.72	2.84	Here didn't fall above me this before? no! is not here...
560.52	563.36	2.84	Christ! it looks bad...eh Jhony?
567.16	567.96	0.8	And now ?
588.44	590.32	1.88	Ah! Look! I've left something...
592.44	594.6	2.16	Of course! You have to go from here...
595.28	596.32	1.04	I have come down slowly
600.24	601.32	1.08	Maybe here
602.92	604.04	1.12	Exactly! Well done...
605.92	606.96	1.04	No dude....
615.92	616.64	0.72	Bravo!
617.52	618.24	0.72	And now?
621.48	622.32	0.84	Well...
633.36	636.08	2.72	Bloody hell! we are going to load a lot...
640.16	641	0.84	Give me a spear
647.52	648.48	0.96	Some life
649.84	651.36	1.52	Oh! I have to looking for the key, no?
652.16	654.6	2.44	I need a key to open this door... come on to there!
660.32	661.72	1.4	What a blow, dude!
662	663	1	He is a bastard!
664.64	666.32	1.68	Oh! What's happen here, dude?
669.2	670.48	1.28	Oh my friend...
671.76	673.2	1.44	Don't die here, eh?
680.6	681.6	1	Ah! Goodbye
687.68	689.96	2.28	Very good! I have more life... come on!

690.68	692.04	1.36	I'm going to hit it
692.28	693	0.72	Out
694.4	696.08	1.68	Oh! oh! I leave! because i'm burning myself
699.52	700.2	0.68	Ah!
706.44	707.4	0.96	Goodbye
708.76	709.44	0.68	Blimey!
716.64	717.6	0.96	Look the cup!
723.36	724.48	1.12	Oh my friend...already
729.64	730.36	0.72	Well
745.48	746.12	0.64	Let's see
748.32	749.16	0.84	Aaaah!
749.64	750.56	0.92	Damn!
752.68	754.04	1.36	Perfect!, no?
757.52	758.52	1	Well!
763.2	764.28	1.08	But equally...
770.2	772.48	2.28	And How can I catch this? now..
787.4	790.12	2.72	OH! that I leave! that I live!
792.92	794.2	1.28	bloody hell!
795.4	796.16	0.76	Let's see
796.76	797.6	0.84	Run! run! run!
801.44	802.2	0.76	And now?
809.92	812.6	2.68	Man, I am the last...Run! Jump over here!
816.88	817.56	0.68	Let's go
818.52	819.36	0.84	Let's go!

821.24	822.36	1.12	Bravo!
823.96	824.76	0.8	Let's see
825.4	827.16	1.76	Mouse, zero
828.96	831.32	2.36	When you see a exclamation sign
836.32	836.84	0.52	A
839.8	840.4	0.6	No
843.32	844.52	1.2	The zero button
847.2	848.08	0.88	I don't understand
850.56	851.52	0.96	Come on, dude!
852.16	852.76	0.6	Now!
857.56	859.76	2.2	Let's go to the party, come on!
864	865.28	1.28	This look bad, eh?
867.2	869.08	1.88	Oh! What have happened here?
870.12	871.56	1.44	They have killed me, dude!
878.32	880.08	1.76	Ooh! I leave! I'm burning myself!
890.68	891.92	1.24	Here again
897.88	898.56	0.68	Oh!
899.08	899.72	0.64	Where does he go?
901.28	902.2	0.92	And now ?
904.12	904.84	0.72	Here?
913.48	914.68	1.2	Oh my friend...
922.6	923.72	1.12	By here below?
928.8	930.4	1.6	Ahhhh!
930.76	933.2	2.44	A trick... you know all the tricks...
936.04	936.72	0.68	Come on!

943.56	944.44	0.88	And this?
946.8	947.56	0.76	Bravo!
958.28	959.92	1.64	Well, I have some life more
970.68	971.52	0.84	Come on!
972.68	973.52	0.84	Oh! Oh!
979.2	979.92	0.72	Goodbye!
988.4	989.64	1.24	Where do they come?
990.4	991.32	0.92	Here!
996.4	997.28	0.88	Christ!
1008.04	1008.88	0.84	Come on!
1010.92	1012.68	1.76	Oh! Bastard! I'm sorry
1014.68	1016.2	1.52	Ahh! He kills me!
1019.64	1020.4	0.76	So
1020.8	1022.28	1.48	It is difficult with the problem of the mouse...
1023.12	1024	0.88	OH!
1024.28	1025.04	0.76	Heeey!
1025.4	1027.28	1.88	What happens? What happens?
1031.12	1032.84	1.72	Eeeeh! Christ!
1035.28	1036.48	1.2	bloody hell! dude...
1038.04	1041.36	3.32	I think I'm passing though a place a bit strange...
1041.96	1043.44	1.48	They are very kind, eh?
1044.96	1045.8	0.84	And now ?
1046.92	1048.12	1.2	Oh oh!
1049.32	1050.56	1.24	This look bad, eh?

1052.4	1053.48	1.08	Fucking hell!
1075.64	1077.76	2.12	And also they throw me chairs ...
1090.8	1091.4	0.6	No!
1094.16	1095.16	1	He dislike them , eh?
1099.56	1101.4	1.84	Oh! This will be impossible
1104.04	1105.16	1.12	Is this also moves?
1109.76	1112.76	3	I nearly fell!
1121.72	1124.52	2.8	I will have to pass to the other side, if I can go through here...
1126.56	1128.4	1.84	I can't go through here...fantastic...
1132.16	1133.84	1.68	I assume that this is the way...
1134.56	1135.72	1.16	Let's go! through here!
1140.76	1141.64	0.88	Come one my friend!
1145.32	1147.4	2.08	OOh! What a hit!
1151.72	1152.68	0.96	Let's see
1164.8	1166.4	1.6	Christ! What a trouble!
1172	1173.24	1.24	Now I don't understand nothing
1176	1177.36	1.36	He does not reach this rope
1182.84	1183.92	1.08	He doesn't reach it
1187.92	1190.08	2.16	If I tread it? No nothing...
1193.6	1195.24	1.64	This is for me to be angry
1195.52	1196.76	1.24	Oh no! Oh no! I nearly fall!
1200.92	1201.8	0.88	STOP!

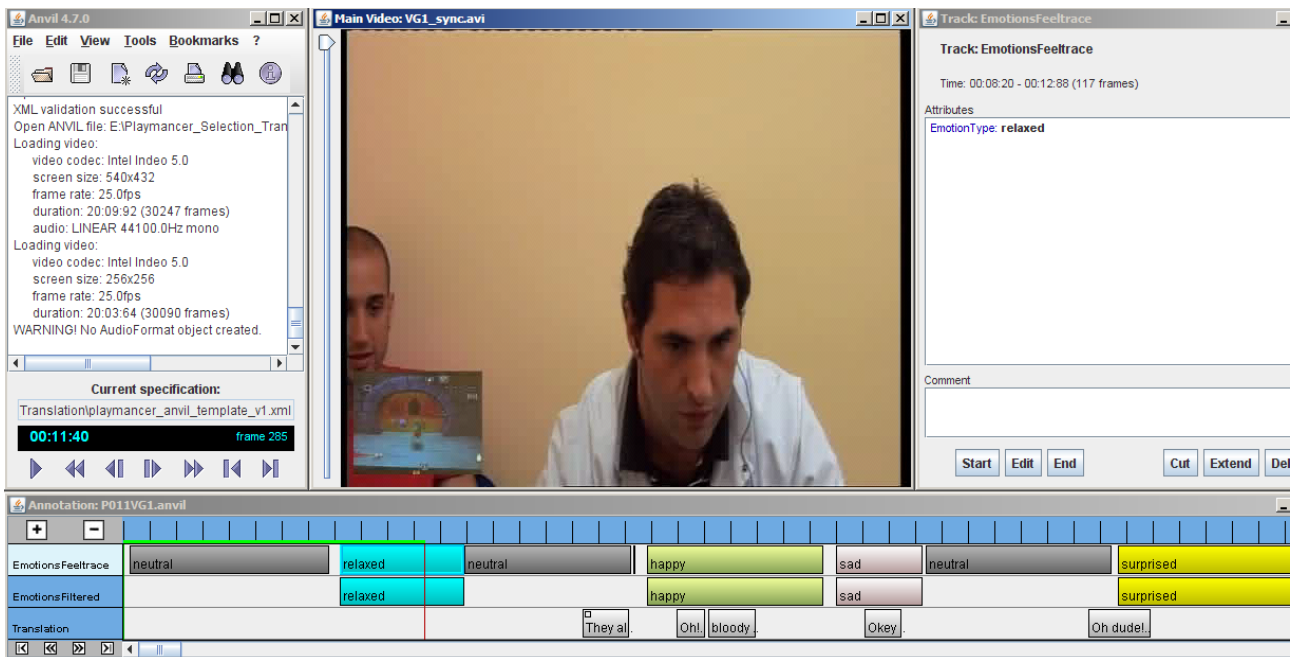


Ilustración 7: Alexis en estado "relajado".

## 4. VIDEOJUEGOS DE ESTRATEGIA

### 4.1 Introducción a los videojuegos de estrategia

Los videojuegos de estrategia son videojuegos que requieren que el jugador ponga en práctica sus habilidades de planeamiento y pensamiento para conseguir la victoria. En la mayoría de los videojuegos de estrategia, "al jugador se le concede una vista del mundo absoluta, controlando indirectamente las unidades bajo su poder".

En el siguiente videos vamos a analizar el comportamiento de Juanjo jugando a un juego de estrategia, estudiando sus estados emocionales en cada instante y anotando las palabras que pronuncian mientras está concentrado en el juego.

### 4.2 Juanjo en videojuegos de estrategia

Estos son los resultados obtenidos después de analizar un video en el que Juanjo estaba jugando a un videojuego de estrategia durante unos 20 minutos aproximadamente. La primera columna indica el segundo en el video en el que empieza el estado emocional, la segunda el segundo en el que termina este estado, la tercera la duración en segundos del estado emocional y la cuarta el tipo de estado emocional o la frase pronunciada según la tabla.

Emociones que siente (Emotions Feeltrace):

start	end	duration	Emotion Type
0.66	28.4	27.74	neutral
28.56	30.28	1.72	bored
30.32	69.4	39.08	neutral
69.48	70.8	1.32	bored
70.88	95.8	24.92	neutral
95.88	111.2	15.32	bored
111.28	152.2	40.92	neutral
152.4	155.2	2.8	relaxed
155.24	155.6	0.36	neutral
155.76	157.2	1.44	bored
157.28	180.2	22.92	neutral
180.36	182.04	1.68	surprised
182.2	193.92	11.72	neutral



194.08	200.76	6.68	bored
200.84	221.64	20.8	neutral
221.84	223.52	1.68	surprised
223.76	240.08	16.32	neutral
240.2	247.4	7.2	relaxed
247.48	250.12	2.64	neutral
250.2	250.24	0.04	sad
250.48	256.24	5.76	bored
256.32	278.4	22.08	neutral
278.52	283.68	5.16	bored
283.72	291.56	7.84	neutral
291.68	293.92	2.24	surprised
294.12	295.52	1.4	neutral
295.6	299.64	4.04	surprised
299.84	316.92	17.08	neutral
317.24	321.68	4.44	surprised
321.92	343.6	21.68	neutral
343.84	351.4	7.56	happy
351.52	364.84	13.32	neutral
365	366	1	angry
366.6	367.68	1.08	angry
367.8	396	28.2	neutral
396.28	397.36	1.08	happy
397.48	438.6	41.12	neutral
438.68	441.12	2.44	surprised
441.44	466.68	25.24	neutral
466.84	472	5.16	surprised
472.28	478.44	6.16	neutral
478.68	488.28	9.6	happy
488.48	509.28	20.8	neutral
509.68	511.8	2.12	neutral
511.84	514.68	2.84	happy
514.72	516.28	1.56	neutral
516.44	521.4	4.96	happy
521.48	533.4	11.92	neutral
533.52	535.52	2	surprised
535.64	537.88	2.24	neutral
537.92	539.2	1.28	happy
539.32	542.8	3.48	neutral
542.92	555.24	12.32	surprised
555.48	559.32	3.84	neutral

559.44	570.4	10.96	surprised
570.48	576	5.52	neutral
576.28	576.32	0.04	happy
576.52	583.56	7.04	happy
583.68	608.96	25.28	neutral
609.12	610.64	1.52	relaxed
610.72	644.84	34.12	neutral
644.92	653.2	8.28	bored
653.24	667.04	13.8	neutral
667.2	669.04	1.84	surprised
669.16	671.56	2.4	neutral
671.88	671.92	0.04	happy
672.12	675.6	3.48	happy
675.72	686.64	10.92	neutral
687	693.2	6.2	happy
693.88	710.76	16.88	neutral
710.96	714.12	3.16	happy
714.2	723.52	9.32	neutral
723.96	725.52	1.56	surprised
725.68	770.88	45.2	neutral
770.96	774.64	3.68	happy
774.72	778.68	3.96	neutral
778.72	786.08	7.36	happy
786.32	799.76	13.44	neutral
800.2	801.64	1.44	surprised
801.88	844.32	42.44	neutral
844.56	852.08	7.52	happy
852.28	867	14.72	neutral
867.16	872.92	5.76	surprised
873.2	874.76	1.56	neutral
875.08	886.92	11.84	happy
887.16	910.04	22.88	neutral
910.28	914.08	3.8	happy
914.2	919.88	5.68	neutral
919.92	920.52	0.6	surprised
920.72	921.84	1.12	surprised
922.04	975.2	53.16	neutral
975.48	997.12	21.64	bored
997.36	1020.84	23.48	neutral
1021.36	1024.04	2.68	happy
1024.08	1027.92	3.84	surprised

1028.04	1031.08	3.04	neutral
1031.12	1031.16	0.04	happy
1031.36	1040.24	8.88	happy
1040.36	1042.44	2.08	surprised
1042.56	1042.72	0.16	happy
1042.8	1047.6	4.8	happy
1047.84	1049.56	1.72	surprised
1049.68	1049.76	0.08	happy
1049.92	1050.76	0.84	happy
1050.84	1053.4	2.56	neutral
1053.48	1057.44	3.96	surprised
1057.56	1073.8	16.24	neutral
1074	1079.16	5.16	surprised
1079.44	1090.2	10.76	neutral
1090.28	1097.68	7.4	bored
1097.84	1124.32	26.48	neutral
1124.52	1125.88	1.36	bored
1126.16	1133.8	7.64	bored
1133.92	1139.48	5.56	neutral
1139.68	1144.84	5.16	surprised
1144.96	1185.72	40.76	neutral
1186.08	1189.36	3.28	surprised
1189.6	1202.48	12.88	neutral

### Emociones filtradas (Emotions Filtered):

<b>start</b>	<b>end</b>	<b>duration</b>	<b>Emotion Type</b>
28.56	30.28	1.72	bored
69.48	70.8	1.32	bored
95.88	111.2	15.32	bored
152.4	155.2	2.8	relaxed
155.76	157.2	1.44	bored
180.36	182.04	1.68	surprised
194.08	200.76	6.68	bored
221.84	223.52	1.68	surprised
240.2	247.4	7.2	relaxed
250.48	256.24	5.76	bored
278.52	283.68	5.16	bored
291.68	293.92	2.24	surprised

295.6	299.64	4.04	surprised
317.24	321.68	4.44	surprised
343.84	351.4	7.56	happy
365	366	1	angry
366.6	367.68	1.08	angry
396.28	397.36	1.08	happy
438.68	441.12	2.44	surprised
466.84	472	5.16	surprised
478.68	488.28	9.6	happy
511.84	514.68	2.84	happy
516.44	521.4	4.96	happy
533.52	535.52	2	surprised
537.92	539.2	1.28	happy
542.92	555.24	12.32	surprised
559.44	570.4	10.96	surprised
576.52	583.56	7.04	happy
609.12	610.64	1.52	relaxed
644.92	653.2	8.28	bored
667.2	669.04	1.84	surprised
672.12	675.6	3.48	happy
687	693.2	6.2	happy
710.96	714.12	3.16	happy
723.96	725.52	1.56	surprised
770.96	774.64	3.68	happy
778.72	786.08	7.36	happy
800.2	801.64	1.44	surprised
844.56	852.08	7.52	happy
867.16	872.92	5.76	surprised
875.08	886.92	11.84	happy
910.28	914.08	3.8	happy
919.92	920.52	0.6	surprised
920.72	921.84	1.12	surprised
975.48	997.12	21.64	bored
1021.36	1024.04	2.68	happy
1024.08	1027.92	3.84	surprised
1031.36	1040.24	8.88	happy
1040.36	1042.44	2.08	surprised
1042.8	1047.6	4.8	happy
1047.84	1049.56	1.72	surprised
1049.92	1050.76	0.84	happy
1053.48	1057.44	3.96	surprised

1074	1079.16	5.16	surprised
1090.28	1097.68	7.4	bored
1124.52	1125.88	1.36	bored
1126.16	1133.8	7.64	bored
1139.68	1144.84	5.16	surprised
1186.08	1189.36	3.28	surprised

Secuencia de frases pronunciadas mientras juega traducidas al inglés:

start	end	duration	Translation Text
1.36	4.44	3.08	Let's see that this supergirl says...
8.88	11.12	2.24	Come on dude...What so sad story, dude!
12.84	14.04	1.2	I am motivated
17.28	19.32	2.04	Damn bastards! Exploiters!
33.64	34.84	1.2	Come on
35.84	37.16	1.32	Attention! Okey...
38.6	40.12	1.52	How many questions have done me?
45.92	46.88	0.96	Perfect
70.96	72.44	1.48	Let's play
79.4	82.16	2.76	The sound of steps is very well made. And the spider.
82.56	83.32	0.76	And the spider
90.64	93.36	2.72	This game needs a bit of music.
108.56	109.6	1.04	Oh my mother
110.24	111.04	0.8	What slow!
125.36	127.76	2.4	Come on! Now with the computer...
129.88	131.56	1.68	Well! The statement is here.
135.32	136.12	0.8	Perfect

140.6	142.76	2.16	Come on! Attention... They are closer.
157.88	160.08	2.2	Now the lawyer gives me a couple of ...
163.88	165.32	1.44	I haven't to do nothing more here
178.32	179.96	1.64	That's the same girl of the town
204.44	207.16	2.72	Now he give me this utensil, What a bastard!
210.72	211.68	0.96	The rights
221.28	224.6	3.32	Attention! What a bastards! They exploit them a lot, dude.
248.24	249.72	1.48	Now he comes and will read it
252.92	255.84	2.92	In the end, the girl find the image on the Internet, right?
256.92	258.48	1.56	She find the information on internet.
258.92	261.08	2.16	An interview down
291.56	294.8	3.24	What a bastards! I have to remember that woman...
296.32	299.6	3.28	Uff! deformed children... It has being nice...
307	307.8	0.8	Good!
313.28	313.96	0.68	Oh!
320.32	322.12	1.8	I have to go to talk with Arturo again
327.28	328.84	1.56	And with Arturo again
329.28	330.08	0.8	Perfect
339.64	347.28	7.64	I imagine that children then they will do an exam or something because...Otherwise, they will skip i
360.08	360.8	0.72	No
361.68	363.12	1.44	Now he comes, dude...
364	366.4	2.4	Damn, dude...Let's see if he fall
378.52	379.2	0.68	well
383.48	385	1.52	Let's see the priest

387.4	388.08	0.68	Christ!
392.56	396.32	3.76	The movements and changes in camera, we have to put a low grade.
405.68	406.52	0.84	In Morocco.
409.04	409.88	0.84	Christ!
413.16	415.44	2.28	I'm sure this girl tell me something. I don't know Why.
416.12	416.8	0.68	I think
438.68	440.52	1.84	What a bastards, dude! What a clever!
455.04	455.76	0.72	Good!
468.68	469.48	0.8	Ufff
470.92	471.52	0.6	Attention!
480.52	484.84	4.32	Empty the toilets... Catch assets in the WC, dude... Oh my mother...
492.6	495.48	2.88	I do not like the two persons that order me...I don't have nothing.
509.76	510.56	0.8	Good!
512.04	513.68	1.64	Good!
516.12	518.76	2.64	Ufff! The last interview, what a drag!
519.12	520.8	1.68	Here I have to be a very good player...
522.8	523.6	0.8	Yes
526.4	528.4	2	Okey dude... otherwise, I would be lost.
529.16	530.2	1.04	What a bugger!
533.24	535.56	2.32	Uff! Will we imprison him?
538.32	539.92	1.6	You can't do nothing, dude...
543.24	544.32	1.08	Uff
559.96	564.88	4.92	Attention! The sound of the heartbeat indicates that you have the opportunity to select an argument
566.08	570.12	4.04	Uff! Incredible, eh? This really cool.

577.24	582.64	5.4	NO UNDERSTAND
583.64	584.72	1.08	Come on
585.64	587.04	1.4	NO UNDERSTAND
588.96	593.12	4.16	NO UNDERSTAND
595.72	597.8	2.08	Damn, This man is very annoying...
598.16	599.64	1.48	Attention! I have already two!
606.84	628.28	21.44	NO UNDERSTAND
629.36	632.16	2.8	Dude...it is very false...
633.16	641.4	8.24	NO UNDERSTAND
654.48	656.24	1.76	NO UNDERSTAND
659.4	663.56	4.16	NO UNDERSTAND
663.8	664.4	0.6	Attention!
666.52	667.2	0.68	Yes
667.88	668.56	0.68	Shot!
673.36	675.04	1.68	I've seen everything important.
677.12	680.4	3.28	What a bastard! He is admitting... He is a treacherous
684.8	687.24	2.44	NO UNDERSTAND
687.24	689.12	1.88	Bloody hell!
699.56	702.56	3	NO UNDERSTAND
703.08	705	1.92	What a bastards! They are polluting a lot...
709.72	710.6	0.88	Good!
713.4	714.6	1.2	What is this?
716	720.28	4.28	NO UNDERSTAND
725.92	727.24	1.32	He admits everything, eh?
731.92	736.96	5.04	He admits everything, eh?



736.96	739.64	2.68	He doesn't sense nothing...He is a bit silly.
746.92	748.48	1.56	Uff
774.92	777.16	2.24	What a bastard, dude! Come on! tell me!
778.68	780.72	2.04	They do it without thinking
784.96	787.16	2.2	NO UNDERSTAND
798.04	800.68	2.64	Lead poisoning? Blimey!
806.48	808.24	1.76	Well! I have it almost!
808.72	809.52	0.8	Almost
813.76	814.6	0.84	Blimey!
822.48	823.56	1.08	Come on! Goodbye!
829.28	830.4	1.12	Of course...
837.4	839.24	1.84	Bravo! I've got to pass it!
845.6	848.8	3.2	Perfect, dude! I'm very clever! Perfect!
850.44	851.2	0.76	What a great!
854.36	856.68	2.32	Okay...Now I have to go to the second.
863.68	866.68	3	We're going to choose the girl. She at least is pretty.
867.52	870.72	3.2	How was...? Attention! Blimey! How cool!
874.6	877.24	2.64	He has a grenade or something similar
879.16	882.84	3.68	McCoy! This is the boy of the mountain, in Las Vegas
886.88	890.36	3.48	What a silly! This for the neurons...come on
892.32	893.56	1.24	Look him with the grenada...
894.2	895.56	1.36	Be careful! He is going to throw me the grenade!
909.48	911.76	2.28	He is talking me about the death
912.52	913.6	1.08	In the border

920.08	920.96	0.88	Blimey!
921.64	923.68	2.04	He is still alive! What a great!
940.96	943.4	2.44	He stood...Damn!
952.28	954.28	2	This period is very difficult, dude!
1006.64	1007.44	0.8	Good!
1007.84	1008.8	0.96	Another statement
1011.72	1012.76	1.04	And now ?
1014.08	1016.08	2	I have to find a cadaver or something, no?
1021.64	1023.76	2.12	Come on! Let's talk to the priest...
1024.72	1026.48	1.76	Blimey! A knack in this area!
1027.88	1029.12	1.24	Let's go to Las Vegas!
1031.68	1035.16	3.48	What a lands that he has! He must have a lot of money...oh my mother!
1035.8	1038.48	2.68	And my cactus plantation is booming
1040.6	1042.04	1.44	Ooh! Ooh!
1043.08	1044.28	1.2	What a great!
1046.76	1048	1.24	What a letus!
1048.28	1049.72	1.44	What a letus teach!
1052.4	1054.08	1.68	What do you think of the TV?
1054.96	1056.96	2	The television news of the channel 5!
1057.48	1058.2	0.72	Come on
1074.4	1075.2	0.8	Ooh!
1076.76	1077.88	1.12	The crazy police!
1106.56	1108.48	1.92	They have killed to the girl, dude.
1139.56	1140.96	1.4	Cool! dude!
1142.76	1146.12	3.36	When you think it's going to finish...they come back again

1148.44	1154.04	5.6	NO UNDERSTAND
1162.68	1165.2	2.52	I haven't time
1170.88	1171.6	0.72	Eh!
1172.6	1173.68	1.08	Librarian girl?
1179.12	1180.16	1.04	What a great!
1185.48	1189.6	4.12	Librarian girl...but he is a boy with paunch and mustache...Incredible!
1195.88	1196.52	0.64	Good!
1201.36	1202.08	0.72	Good!

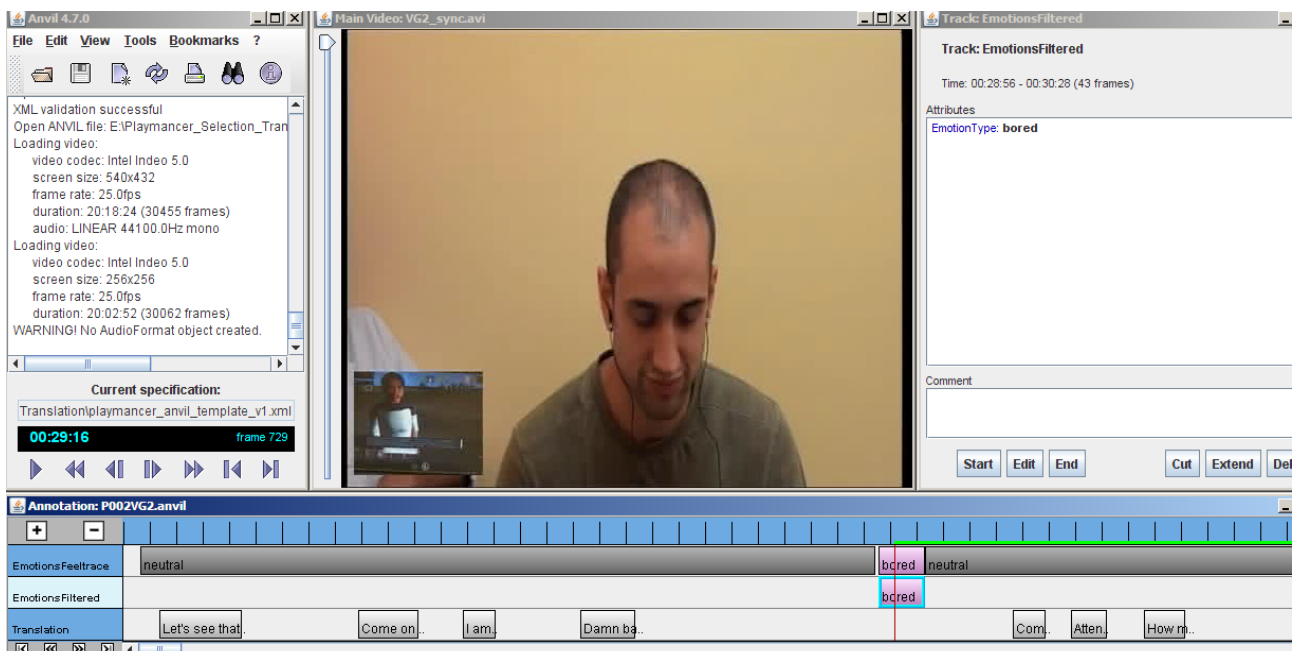


Ilustración 8. Juanjo en estado "aburrido".

## 5. VIDEOJUEGOS DE SIMULACIÓN

### 5.1 Introducción a los videojuegos de simulación

Los videojuegos de simulación son videojuegos que intentan recrear situaciones de la vida real.

Los videojuegos de simulación reproducen sensaciones que en realidad no están sucediendo. Pretenden reproducir tanto las sensaciones físicas (velocidad, aceleración, percepción del entorno) y una de sus funciones es dar una experiencia real de algo que no está sucediendo para de esta forma no poner en riesgo la vida de alguien.

Los primeros simuladores que ha conocido el hombre surgieron en los años 1960. Su principal misión era preparar mejor a los pilotos de aviación. Hoy en día se puede decir que son indispensables.

Se les considera pequeños juegos ya que no son reales. La función de los simuladores es aproximarse lo más posible a la realidad. El alto coste de esta herramienta de aprendizaje ha simplificado su expansión.

En los siguientes cuatro videos vamos a analizar el comportamiento de cuatro personas diferentes que ya han aparecido en este proyecto (Juanjo, Zaida, Eva y Alexis), jugando a un mismo videojuego de simulación, en concreto a un juego de carreras de coches, estudiando sus estados emocionales en cada instante y anotando las palabras que pronuncian mientras están concentrados en el juego.

### 5.2 Juanjo en videojuegos de simulación

Estos son los resultados obtenidos después de analizar un video en el que Juanjo estaba jugando a un videojuego de carreras de coches durante unos 20 minutos aproximadamente. La primera columna indica el segundo en el video en el que empieza el estado emocional, la segunda el segundo en el que termina este estado, la tercera la duración en segundos del estado emocional y la cuarta el tipo de estado emocional o la frase pronunciada según la tabla.

Emociones que siente (Emotions Feeltrace):

start	end	duration	Emotion Type
0.53	11.92	11.39	neutral

12	12.92	0.92	angry
13	14.52	1.52	neutral
14.64	15.96	1.32	angry
16.04	18.32	2.28	neutral
18.4	19.48	1.08	angry
20	27.56	7.56	happy
27.68	56.12	28.44	neutral
56.12	56.28	0.16	afraid
56.36	60.28	3.92	angry
60.32	75.32	15	neutral
75.48	77.84	2.36	happy
78	92.68	14.68	neutral
92.76	94.64	1.88	happy
94.72	97.36	2.64	neutral
97.44	99.56	2.12	surprised
99.68	111.32	11.64	neutral
111.6	113.28	1.68	angry
113.52	136.12	22.6	neutral
136.52	138.08	1.56	surprised
138.32	156.52	18.2	neutral
156.68	158.52	1.84	angry
158.6	174.36	15.76	neutral
174.52	176.68	2.16	angry
176.8	214.6	37.8	neutral
214.84	215.76	0.92	angry
215.84	243.88	28.04	neutral
244.2	248.12	3.92	angry
248.2	273.48	25.28	neutral
273.56	274.88	1.32	angry
275.04	298.96	23.92	neutral
299.12	305.48	6.36	happy
305.64	318.52	12.88	neutral
318.68	319.2	0.52	surprised
319.32	343.68	24.36	neutral
343.96	347.88	3.92	angry
348	352.76	4.76	neutral
352.88	354.52	1.64	angry
354.56	355.88	1.32	neutral
356.12	357.48	1.36	angry
357.64	369.36	11.72	neutral
369.44	373.84	4.4	surprised

374.08	392.6	18.52	neutral
392.64	393.12	0.48	angry
393.32	425.4	32.08	neutral
425.52	431.36	5.84	angry
431.44	435.56	4.12	neutral
435.88	437.2	1.32	happy
437.24	478.68	41.44	neutral
478.92	479.64	0.72	angry
479.76	505.24	25.48	neutral
505.44	508.88	3.44	angry
508.96	536.08	27.12	neutral
536.16	537	0.84	surprised
537.12	568.32	31.2	neutral
568.36	577.56	9.2	happy
577.68	607.52	29.84	neutral
607.8	615.76	7.96	happy
615.88	633.28	17.4	neutral
633.44	633.52	0.08	happy
633.64	640.48	6.84	happy
640.56	644.72	4.16	neutral
644.8	646.04	1.24	happy
646.12	655.68	9.56	neutral
655.76	668	12.24	happy
668.12	687.64	19.52	neutral
687.72	689.32	1.6	surprised
689.48	705.44	15.96	neutral
705.76	713.28	7.52	angry
713.4	726.84	13.44	neutral
726.96	729.48	2.52	angry
729.64	764.08	34.44	neutral
764.24	768.32	4.08	angry
768.48	833.88	65.4	neutral
834	834.12	0.12	afraid
834.2	837.64	3.44	angry
837.72	852.88	15.16	neutral
853	854.88	1.88	angry
854.96	862.92	7.96	neutral
863.24	872.6	9.36	angry
872.68	875.64	2.96	neutral
875.84	877.72	1.88	angry
877.88	881.28	3.4	neutral

881.32	881.36	0.04	angry
881.36	881.52	0.16	very angry
881.52	887.48	5.96	angry
887.6	910.2	22.6	neutral
910.24	913.6	3.36	happy
913.92	916.52	2.6	neutral
916.76	928.32	11.56	angry
928.52	960.96	32.44	neutral
961.04	963.32	2.28	surprised
963.52	967.48	3.96	happy
967.6	974.76	7.16	neutral
975.04	977.04	2	surprised
978.88	998.92	20.04	neutral
999.12	999.96	0.84	angry
1000	1002.4	2.4	surprised
1002.48	1014.52	12.04	neutral
1014.68	1025.56	10.88	angry
1025.64	1034.56	8.92	neutral
1034.76	1035.56	0.8	surprised
1035.84	1040.24	4.4	happy
1040.32	1040.56	0.24	neutral
1040.72	1041.48	0.76	neutral
1041.92	1045.56	3.64	happy
1045.72	1056.84	11.12	neutral
1057.04	1062.28	5.24	angry
1062.32	1068.28	5.96	neutral
1068.56	1074.72	6.16	angry
1074.8	1082.08	7.28	neutral
1082.24	1088.56	6.32	angry
1088.68	1112.44	23.76	neutral
1112.6	1119.96	7.36	happy
1120.4	1120.88	0.48	happy
1121	1124.36	3.36	neutral
1124.4	1132.68	8.28	happy
1132.96	1140.4	7.44	neutral
1140.44	1140.56	0.12	happy
1140.68	1143.04	2.36	happy
1143.08	1155.48	12.4	neutral
1155.84	1160.4	4.56	happy
1160.48	1183.32	22.84	neutral
1183.48	1189.72	6.24	happy

1189.8	1198.64	8.84	neutral
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### Emociones filtradas (Emotions Filtered):

start	end	duration	EmotionTyp
12	12.92	0.92	angry
14.64	15.96	1.32	angry
18.4	19.48	1.08	angry
20	27.56	7.56	happy
56.36	60.28	3.92	angry
75.48	77.84	2.36	happy
92.76	94.64	1.88	happy
97.44	99.56	2.12	surprised
111.6	113.28	1.68	angry
136.52	138.08	1.56	surprised
156.68	158.52	1.84	angry
174.52	176.68	2.16	angry
214.84	215.76	0.92	angry
244.2	248.12	3.92	angry
273.56	274.88	1.32	angry
299.12	305.48	6.36	happy
343.96	347.88	3.92	angry
352.88	354.52	1.64	angry
356.12	357.48	1.36	angry
369.44	373.84	4.4	surprised
425.52	431.36	5.84	angry
435.88	437.2	1.32	happy
478.92	479.64	0.72	angry
505.44	508.88	3.44	angry
536.16	537	0.84	surprised
568.36	577.56	9.2	happy
607.8	615.76	7.96	happy
633.64	640.48	6.84	happy
644.8	646.04	1.24	happy
655.76	668	12.24	happy
687.72	689.32	1.6	surprised
705.76	713.28	7.52	angry
726.96	729.48	2.52	angry
764.24	768.32	4.08	angry



834.2	837.64	3.44	angry
853	854.88	1.88	angry
863.24	872.6	9.36	angry
875.84	877.72	1.88	angry
881.52	887.48	5.96	angry
910.24	913.6	3.36	happy
916.76	928.32	11.56	angry
961.04	963.32	2.28	surprised
963.52	967.48	3.96	happy
975.04	977.04	2	surprised
999.12	999.96	0.84	angry
1000	1002.4	2.4	surprised
1014.68	1025.56	10.88	angry
1034.76	1035.56	0.8	surprised
1035.84	1040.24	4.4	happy
1041.92	1045.56	3.64	happy
1057.04	1062.28	5.24	angry
1068.56	1074.72	6.16	angry
1082.24	1088.56	6.32	angry
1112.6	1119.96	7.36	happy
1124.4	1132.68	8.28	happy
1140.68	1143.04	2.36	happy
1155.84	1160.4	4.56	happy
1183.48	1189.72	6.24	happy

Secuencia de frases pronunciadas mientras juega traducidas al inglés:

start	end	duration	Translation Text
2.4	3.28	0.88	what a bugger!
5.72	6.48	0.76	Let's go
10.4	13.16	2.76	For fuck's sake, dude! What a condemn! with the jumps...
13.96	15.08	1.12	Fucking lag!
18.92	21.16	2.24	Oh my mother...There are a lot of lag...
			Yes! Your car will disappear in a few moments and

24.56	29	4.44	You'll appear in another part of the screen.
29.92	31.52	1.6	We've been playing earlier in this stage
35.16	36.2	1.04	Yes, I'm sure...
47.24	49.44	2.2	It works very slow, eh? because of this...
54.88	56.6	1.72	Ufff! Shit!
59.2	61.68	2.48	I can not crashing because this car does not speed anything
68.04	69.48	1.44	Oh my God! I'm a very good player!
74.52	75.6	1.08	Come on! Continue!
79.88	80.36	0.48	No!
82.88	84.56	1.68	I need to see new circuits
94.04	95.04	1	Come on!
96.12	97.12	1	Ufff!
98.04	101.48	3.44	This circuit is awesome, Antonio...It's a show...
110.8	118.52	7.72	The bastard of the gold car...make it below blimps! What a difficult!, dude.
124.24	127.48	3.24	The car of bronze is going backwards, dude... What a swine!
130.8	131.8	1	Silver
132.48	133.08	0.6	No
135.36	140.48	5.12	Okey...I'll try to get gold now, but I can not assure anything ...
140.68	142.32	1.64	Fourteen seconds...Oh my mother
150.04	151.52	1.48	Look him below, dude...
152.32	153.28	0.96	Have you seen him?
160.6	162.4	1.8	He flies very little...the bastard...
167.2	167.92	0.72	Attention!
173.28	175.76	2.48	What a bastard! What a difficult! dude! It's impossible...
178.52	179.16	0.64	Abandon!

198	199.08	1.08	Let's go!
203.12	204.88	1.76	Come on! This stage is very typical
213.36	215	1.64	Christ! I've already screwed up.
228.8	230.08	1.28	Come on!
242.32	245.64	3.32	No! Oh my mother, dude...amazing!
245.8	246.96	1.16	what a bugger!
254.24	255.24	1	Look him!
262.12	263.52	1.4	Come on! now! Straight!
264.8	265.56	0.76	Shit!
272.6	274	1.4	Amazing!
274.76	276.8	2.04	I had gone perfectly for that.
286.48	288.04	1.56	You go straight! Come on!
292.24	293.72	1.48	Come on! Gold!
297.56	299.84	2.28	Blimey dude! What are you telling, man?
300.8	303.76	2.96	Forty-three? And how far is the gold?
304.48	306.56	2.08	Two seconds less...I get
307.92	310.92	3	Blimey! four seconds less...Is it difficult, eh?
313.56	315.44	1.88	I'm going to give him a unique opportunity
315.96	318.2	2.24	Uff! He risks a lot! What a bastard!
319.68	321.16	1.48	Come on here pig!
324.44	325.96	1.52	Uffff!
327.32	329	1.68	Damn gold! He runs a lot!
334.6	335.72	1.12	Oh my mother!
340.96	342.72	1.76	The bastard was already there!

344.96	346.16	1.2	Uffff
346.8	348.24	1.44	It's impossible, dude...
350.12	352.16	2.04	I'm advancing myself to me! Nooo!
352.44	353.32	0.88	Blimey! Dude!
357.12	360	2.88	Gold is too little for me...Ufff
364.16	365.92	1.76	Uff, the red circuit, dude...
368.68	373.12	4.44	Uffffff! Oh my God! I can't
375.12	376.4	1.28	I'm going to try this
382.32	384.88	2.56	The champion of this game has to be tremendous, eh?
392.32	393.52	1.2	Come on! Already
416.92	418.2	1.28	Come on!
424.56	427.24	2.68	Blimey! What a shit! dude...
428.28	429.64	1.36	Ufff! what a bugger!
429.84	430.68	0.84	What a pity!
444.2	445.68	1.48	Oh my mother! this bend is very dangerous!
446.08	446.84	0.76	I'm a pro!
452.28	453.84	1.56	Come on!
460.24	461.88	1.64	Run now! Damn!
472.2	473	0.8	Uff!
474.96	477.76	2.8	Uffffff! What a bastards, dude!
496.6	498	1.4	Come on!
504.16	505.32	1.16	Fucking hell! dude...
509.68	510.96	1.28	The position is away
515.52	517.32	1.8	I have to make the perfect turn now
520.84	521.84	1	Good...

534.64	537	2.36	Oh my god! This curve is very dangerous...
544.24	545.2	0.96	Good!
556.4	557.52	1.12	Come on!
559.8	561.12	1.32	Uffff!
564.32	565.52	1.2	I have been silver...
566.68	570.36	3.68	Yes! I'm very pro! Twenty nine medals
573.56	576.04	2.48	I'm in the two million position of Catalonia
580.12	581.64	1.52	This looks good
593.88	595.6	1.72	This seems to me that I could advance
597.08	597.68	0.6	Yes
604.44	609.36	4.92	Ooh! Antonio always beats me in this circuit...Oh my God!
614.64	615.4	0.76	Oh my God!
617.84	618.8	0.96	Uff!
622.68	623.92	1.24	Come on!
630	631.68	1.68	Uffff!
632.72	636	3.28	I'm skimming the limit as Chivi...Oh my mother!
640.96	642.52	1.56	Bufffff!
643.36	645.52	2.16	Oh my mother... This bend is very dangerous!
650.24	650.92	0.68	Oh my God!
651.36	653.48	2.12	I deserve the gold!
653.92	655.08	1.16	Give me the gold, come on!
658.96	660.76	1.8	Mamma mia!
665.76	666.48	0.72	Of course
670.6	671.76	1.16	Ufff!

674.24	675.8	1.56	Now I go to the red circuits.
684.2	689.76	5.56	I have to learn the trick of turn or skid. This trick is like the Mario Card game.
690	691.96	1.96	The internet people drive with this trick all the time.
693.36	696.64	3.28	You must take the curves correctly, otherwise, you're a loser.
704.24	707.36	3.12	Blimey! What a bugger! I don't remembered this stage!
709.2	712.08	2.88	Five laps, dude... it's long...
720.56	721.68	1.12	Ufff!
737.2	738.96	1.76	That! That turn is the best!
742.72	743.56	0.84	Oh no!
750.28	752.12	1.84	Two seconds, dude... What a shit!
764.68	768.52	3.84	Come on! Now yes! Oh my God! Ufff What a great!
779.24	781.88	2.64	Three seconds, dude .. I do not get the silver...
789.76	792.44	2.68	Ufff! Mamma mia!
803.88	805.4	1.52	Uffff!
806.64	807.8	1.16	Good! Good!
816.68	818	1.32	Blimey! dude...
832.48	836.36	3.88	No! man! no! it's impossible to be more false...
841.28	842.68	1.4	Come on! Run!
851.52	852.8	1.28	Ufff!
861.92	865.48	3.56	Blimey dude! For fuck's sake! Run asshole!
868.84	870.12	1.28	Fucking hell!
876.84	878.8	1.96	One more lap... oh my mother...
881	882.4	1.4	I can no longer solve this.
908.8	913.6	4.8	I don't get points for my turns or anything... Oh my God! What a maneuvers!
916.64	917.92	1.28	What a shit!

921.56	923.84	2.28	This race is bullshit! Oh my God...
926.84	927.6	0.76	Silly!
928.6	929.24	0.64	No!
932.64	933.44	0.8	This!
936.68	937.76	1.08	I'm going to get the gold!
943.48	945.28	1.8	Uff! God!
946.84	949	2.16	I do not remember this stage, so i don't know what there is here
956.76	958.64	1.88	Oh my mother! What is this?
962.36	963.96	1.6	Oh my mother!
964.64	966.12	1.48	I went to Cuenca!
971.52	973.56	2.04	Blimey! What a difficult!
974.28	975.92	1.64	And here we have the silver...Oh my mother!
982.72	983.56	0.84	Blimey!
991.44	992.76	1.32	Come on champion!
998.36	1000.44	2.08	Ufff! Incredible!
1003.72	1005.2	1.48	This is very difficult, dude...
1012.8	1015.44	2.64	What a bastard, dude! It's impossible!
1016.04	1018	1.96	I have to go up, right?
1019.2	1020.12	0.92	Let's see...
1020.92	1022.84	1.92	In the last three it's ok...
1027.08	1028.12	1.04	These...
1038.56	1039.68	1.12	Impossible...
1040.52	1043.04	2.52	What a bastard, dude!...What a difficult, man!...
1044.08	1047.28	3.2	Come on! This gold have to be mine!

1055.64	1058.2	2.56	Blimey, dude! fucking hell!
1058.76	1060.76	2	Moreover, he had advanced me! What a bastard!
1067.44	1068.16	0.72	Well...
1070.4	1072.16	1.76	Oh my mother! It's very difficult, dude...
1083.2	1086.44	3.24	Blimey! This circuit is crazy! Oh my mother!
1094.32	1096.6	2.28	ZzZzZzZz
1102.24	1105.28	3.04	Blimey! This is a fucking shit! Look! Look!
1111.52	1112.72	1.2	Shit! Shit!
1112.96	1119.2	6.24	They haven't more acceleration, only have the acceleration of the principle, then you can't accelerate, you can only drive...and no crash!
1124.12	1126.8	2.68	Oh...It's very difficult...you have to arrive with this momentum...
1134.88	1136.64	1.76	Oh no! Shit!
1143.8	1147.32	3.52	I passed this stage with the two medals... but it was very difficult...
1151.16	1152.12	0.96	Shit!
1152.72	1154.16	1.44	And you don't arrive, eh? Look!
1154.64	1155.48	0.84	Look!
1172.84	1173.68	0.84	Come on!
1177.4	1178.68	1.28	Come on!
1180.04	1180.84	0.8	Ufff!
1182.04	1183.16	1.12	Oh my mother!
1186.8	1185.32	1.48	Go to take on ass!
1188.28	1188.96	0.68	Okay
1196.68	1198.68	2	Noooo!



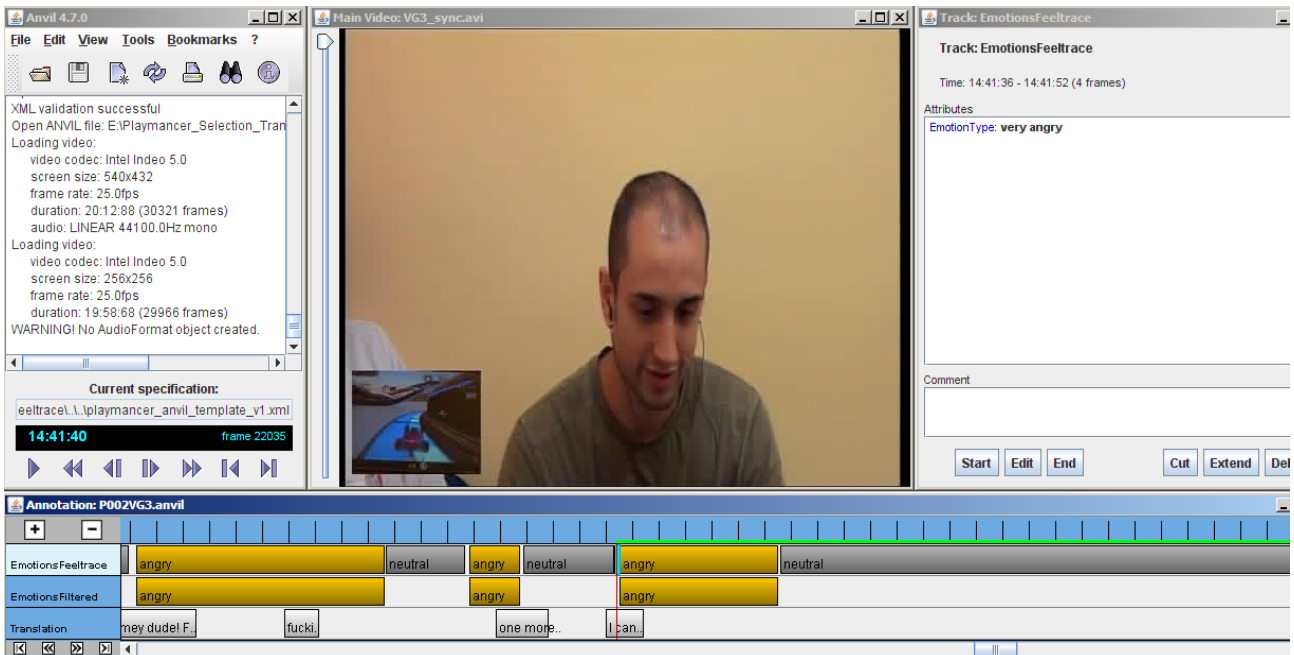


Ilustración 9. Juanjo en estado "muy enfadado".

### 5.3 Zaida en videojuegos de simulación

Estos son los resultados obtenidos después de analizar un video en el que Zaida estaba jugando a un videojuego de carreras de coches durante unos 20 minutos aproximadamente. La primera columna indica el segundo en el video en el que empieza el estado emocional, la segunda el segundo en el que termina este estado, la tercera la duración en segundos del estado emocional y la cuarta el tipo de estado emocional o la frase pronunciada según la tabla.

Emociones que siente (Emotions Feeltrace):

start	end	duration	Emotion Type
0.38	30.76	30.39	neutral
31	32.6	1.6	surprised
32.88	46.64	13.76	neutral
47.04	47.32	0.28	angry
47.36	47.72	0.36	afraid
47.76	48.64	0.88	neutral
48.84	49.52	0.68	sad
49.64	58.72	9.08	neutral
59	60.16	1.16	angry

60.32	62.08	1.76	neutral
62.32	63.12	0.8	neutral
63.2	64.6	1.4	angry
64.68	69.48	4.8	neutral
69.52	71.76	2.24	sad
71.88	75.12	3.24	neutral
75.24	80.52	5.28	happy
80.6	82.44	1.84	neutral
82.56	87.08	4.52	happy
87.36	106.28	18.92	neutral
106.64	111.44	4.8	angry
111.68	113.48	1.81	neutral
114.04	114.96	0.92	angry
115.12	118.72	3.6	neutral
119.2	121.28	2.08	angry
122.16	122.28	0.12	neutral
122.52	123.2	0.68	happy
123.28	147.92	24.64	neutral
148.08	154.76	6.68	angry
155	158.32	3.32	neutral
158.48	160.48	2	sad
160.68	169.28	8.6	neutral
169.6	175.12	5.52	angry
175.28	176.2	0.92	neutral
176.4	180.08	3.68	happy
180.16	183.08	2.92	neutral
183.2	185.36	2.16	happy
185.76	186.96	1.2	neutral
187.12	188.52	1.4	surprised
188.8	190.12	1.32	happy
190.24	227.56	37.32	neutral
227.8	228.36	0.56	angry
228.52	234.68	6.16	neutral
234.92	235.72	0.8	happy
236.48	237.12	0.64	happy
237.24	238.4	1.16	neutral
238.64	243.84	5.2	angry
243.92	244.24	0.32	neutral
244.4	246.56	2.16	happy
246.72	247.92	1.2	neutral
248.04	249.12	1.08	happy

249.36	253.48	4.12	surprised
253.56	260.56	7	happy
260.8	263.04	2.24	neutral
263.4	264.32	0.92	surprised
264.6	266.24	1.64	happy
266.36	275.52	9.16	neutral
275.68	276.12	0.44	sad
276.2	285.56	9.36	neutral
285.68	288	2.32	angry
288.2	288.48	0.28	neutral
288.72	292.6	3.88	happy
293.08	308.72	15.64	neutral
308.84	309.76	0.92	surprised
309.84	313.32	3.48	happy
313.4	318.8	5.4	neutral
318.88	320.8	1.92	surprised
321.12	322.92	1.8	neutral
323.16	327.56	4.4	happy
327.68	332	4.32	neutral
332.24	335.92	3.68	angry
336.36	338.88	2.52	happy
338.92	343.96	5.04	neutral
344.2	347.48	3.28	angry
347.76	358.32	10.56	happy
358.4	360.8	2.4	neutral
360.88	369.44	8.56	happy
369.52	374.76	5.24	neutral
375.24	375.92	0.68	angry
376.16	377.36	1.2	happy
378.64	379.92	1.28	surprised
380.2	386.4	6.2	happy
386.64	391.52	4.88	neutral
391.64	399.72	8.08	happy
399.92	401.56	1.64	neutral
401.68	403.16	1.48	happy
403.56	407.12	3.56	angry
407.88	413.88	6	neutral
414.16	416.4	2.24	angry
416.6	418.16	1.56	neutral
418.4	420.44	2.04	happy
420.64	420.72	0.08	neutral

420.88	423.92	3.04	surprised
424.12	425.4	1.28	neutral
425.56	426.44	0.88	angry
426.52	436.4	9.88	neutral
436.76	438.88	2.12	angry
439.04	440.12	1.08	neutral
440.2	440.64	0.44	sad
440.88	445.92	5.04	neutral
445.96	447	1.04	sad
447.28	474.72	27.44	neutral
475	478.64	3.64	angry
478.88	484.16	5.28	neutral
484.32	487.52	3.2	angry
488.04	499.32	11.28	neutral
499.44	507.2	7.76	angry
507.76	511.32	3.56	angry
511.6	520.8	9.2	neutral
521.6	525.04	3.44	angry
525.48	536.44	10.96	neutral
536.72	537.12	0.4	angry
537.48	538.36	0.88	neutral
538.6	539.2	0.6	surprised
539.48	540.04	0.56	neutral
540.28	541.2	0.92	sad
541.36	542.12	0.76	neutral
542.32	547.8	5.48	angry
548.56	548.64	0.08	angry
548.84	553.4	4.56	angry
553.48	558.28	4.8	neutral
558.6	559	0.4	happy
559.24	560.28	1.04	surprised
560.52	561.44	0.92	happy
561.72	562.16	0.44	surprised
562.48	572.88	10.4	happy
573	573.76	0.76	neutral
573.96	575	1.04	happy
575.04	585.24	10.2	neutral
585.36	603.92	18.56	happy
604.08	614.76	10.68	neutral
615	617.4	2.4	angry
617.88	619.08	1.2	neutral

619.2	624.32	5.12	angry
624.72	626.04	1.32	neutral
626.2	631.52	5.32	angry
631.92	641.84	9.92	neutral
642.12	643.32	1.2	happy
643.4	653.6	10.2	neutral
653.76	658.88	5.12	angry
659.08	662.64	3.56	neutral
662.88	678.6	15.72	angry
679.08	683.68	4.6	neutral
683.8	686.32	2.52	angry
686.76	688.92	2.16	happy
689.08	690.28	1.2	neutral
690.32	690.4	0.08	happy
690.64	691.76	1.12	happy
691.92	693.96	2.04	neutral
694.12	698.44	4.32	angry
698.56	699.56	1	neutral
699.76	719.84	20.08	angry
720.04	729.52	9.48	neutral
729.92	738.72	8.8	angry
738.8	745.72	6.92	neutral
745.92	757.24	11.32	angry
757.6	759.6	2	angry
760.08	761.6	1.52	happy
763.44	768	4.56	neutral
768.12	769	0.88	happy
769.24	770.64	1.4	surprised
770.8	777.92	7.12	neutral
778.56	784.64	6.08	angry
784.88	787.92	3.04	neutral
788.08	789.8	1.72	angry
790	791.52	1.52	neutral
791.6	798.08	6.48	happy
798.36	798.8	0.44	happy
798.88	809.28	10.4	neutral
809.52	810.52	1	surprised
810.72	825.04	14.32	neutral
825.52	826.04	0.52	neutral
826.2	830.8	4.6	surprised
831.12	835.96	4.84	happy

836.04	836.72	0.68	neutral
837	839.88	2.88	angry
840	844.76	4.76	neutral
845.04	846.16	1.12	happy
846.24	847.84	1.6	neutral
848.2	849.88	1.68	angry
850.04	851.52	1.48	neutral
851.76	856.24	4.48	happy
856.36	857.76	1.4	neutral
857.88	858.6	0.72	angry
858.68	860.32	1.64	neutral
860.6	864.44	3.84	angry
864.52	866.56	2.04	neutral
866.84	868.88	2.04	happy
869.4	873.36	3.96	neutral
873.52	878.04	4.52	angry
878.16	891.44	13.28	neutral
891.6	893.64	2.04	angry
893.76	895.92	2.16	neutral
896.12	901.76	5.64	angry
901.84	902.04	0.2	neutral
902.32	906.4	4.07	happy
906.4	907.2	0.81	very afraid
907.2	907.36	0.16	very angry
907.52	907.68	0.16	very angry
907.68	910.6	2.92	angry
910.72	918.92	8.2	neutral
919.08	919.76	0.68	angry
919.92	924	4.08	neutral
924.28	929.84	5.56	happy
929.92	942.76	12.84	neutral
942.96	946.8	3.84	angry
947.52	956.28	8.76	angry
956.76	957.8	1.04	happy
957.96	965.44	7.48	happy
966.24	968.28	2.04	happy
968.4	973.36	4.96	neutral
973.4	980.96	7.56	happy
981.2	982.88	1.68	surprised
983.16	996.2	13.04	neutral
996.28	998.68	2.4	surprised

998.88	999.92	1.04	angry
1000.44	1004.32	3.88	happy
1004.48	1005.44	0.96	neutral
1005.64	1010.6	4.96	angry
1011.04	1012.68	1.64	happy
1012.84	1014.4	1.56	neutral
1014.44	1018.4	3.96	angry
1018.64	1027.32	8.68	neutral
1027.6	1029.72	2.12	angry
1029.92	1031.8	1.88	neutral
1031.92	1033.4	1.48	surprised
1033.56	1037.32	3.76	neutral
1037.6	1039.24	1.64	angry
1039.64	1040.2	0.56	happy
1040.4	1041.72	1.32	surprised
1042	1048.48	6.48	happy
1048.56	1053.32	4.76	neutral
1053.6	1058.84	5.24	angry
1059.2	1081.24	22.04	happy
1081.48	1091.52	10.04	neutral
1091.56	1108.16	16.6	happy
1108.4	1109.84	1.44	neutral
1110.12	1118.64	8.52	angry
1118.84	1127.84	9	surprised
1128.08	1130.36	2.28	angry
1130.56	1139.64	9.08	neutral
1139.84	1141.76	1.92	happy
1141.88	1143.6	1.72	neutral
1143.88	1145.88	2	surprised
1146.08	1146.96	0.88	angry
1147.2	1153.4	6.2	surprised
1153.84	1154.44	0.6	happy
1154.6	1155.04	0.44	surprised
1155.28	1158.44	3.16	angry
1158.68	1183.12	24.44	neutral
1183.36	1184.4	1.04	angry
1184.6	1186.36	1.76	neutral
1186.56	1193.4	6.84	angry
1193.96	1196.32	2.36	surprised
1196.52	1205.48	8.96	neutral
1205.76	1209.76	4	angry

1209.84	1210.12	0.28	neutral
1210.44	1211.88	1.44	happy
1212.28	1221.76	9.48	angry

### Emociones filtradas (Emotions Filtered):

<b>start</b>	<b>end</b>	<b>duration</b>	<b>Emotion Type</b>
31	32.6	1.6	surprised
48.84	49.52	0.68	sad
59	60.16	1.16	angry
63.2	64.6	1.4	angry
69.52	71.76	2.24	sad
75.24	80.52	5.28	happy
82.56	87.08	4.52	happy
106.64	111.44	4.8	angry
114.04	114.96	0.92	angry
119.2	121.28	2.08	angry
122.52	123.2	0.68	happy
148.08	154.76	6.68	angry
158.48	160.48	2	sad
169.6	175.12	5.52	angry
176.4	180.08	3.68	happy
183.2	185.36	2.16	happy
187.12	188.52	1.4	surprised
188.8	190.12	1.32	happy
234.92	235.72	0.8	happy
236.48	237.12	0.64	happy
238.64	243.84	5.2	angry
244.4	246.56	2.16	happy
248.04	249.12	1.08	happy
249.36	253.48	4.12	surprised
253.56	260.56	7	happy
263.4	264.32	0.92	surprised
264.6	266.24	1.64	happy
285.68	288	2.32	angry
288.72	292.6	3.88	happy
308.84	309.76	0.92	surprised



309.84	313.32	3.48	happy
318.88	320.8	1.92	surprised
323.16	327.56	4.4	happy
332.24	335.92	3.68	angry
336.36	338.88	2.52	happy
344.2	347.48	3.28	angry
347.76	358.32	10.56	happy
360.88	369.44	8.56	happy
375.24	375.92	0.68	angry
376.16	377.36	1.2	happy
378.64	379.92	1.28	surprised
380.2	386.4	6.2	happy
391.64	399.72	8.08	happy
401.68	403.16	1.48	happy
403.56	407.12	3.56	angry
414.16	416.4	2.24	angry
418.4	420.44	2.04	happy
420.88	423.92	3.04	surprised
425.56	426.44	0.88	angry
436.76	438.88	2.12	angry
445.96	447	1.04	sad
475	478.64	3.64	angry
484.32	487.52	3.2	angry
499.44	507.2	7.76	angry
507.76	511.32	3.56	angry
521.6	525.04	3.44	angry
538.6	539.2	0.6	surprised
540.28	541.2	0.92	sad
542.32	547.8	5.48	angry
548.84	553.4	4.56	angry
559.24	560.28	1.04	surprised
560.52	561.44	0.92	happy
562.48	572.88	10.4	happy
573.96	575	1.04	happy
585.36	603.92	18.56	happy
615	617.4	2.4	angry
619.2	624.32	5.12	angry
626.2	631.52	5.32	angry
642.12	643.32	1.2	happy
653.76	658.88	5.12	angry
662.88	678.6	15.72	angry

683.8	686.32	2.52	angry
686.76	688.92	2.16	happy
690.64	691.76	1.12	happy
694.12	698.44	4.32	angry
699.76	719.84	20.08	angry
729.92	738.72	8.8	angry
745.92	757.24	11.32	angry
757.6	759.6	2	angry
760.08	761.6	1.52	happy
768.12	769	0.88	happy
769.24	770.64	1.4	surprised
778.56	784.64	6.08	angry
788.08	789.8	1.72	angry
791.6	798.08	6.48	happy
809.52	810.52	1	surprised
826.2	830.8	4.6	surprised
831.12	835.96	4.84	happy
837	839.88	2.88	angry
845.04	846.16	1.12	happy
848.2	849.88	1.68	angry
851.76	856.24	4.48	happy
857.88	858.6	0.72	angry
860.6	864.44	3.84	angry
866.84	868.88	2.04	happy
873.52	878.04	4.52	angry
891.6	893.64	2.04	angry
896.12	901.76	5.64	angry
902.32	906.4	4.07	happy
907.68	910.6	2.92	angry
919.08	919.76	0.68	angry
924.28	929.84	5.56	happy
942.96	946.8	3.84	angry
947.52	956.28	8.76	angry
956.76	957.8	1.04	happy
957.96	965.44	7.48	happy
966.24	968.28	2.04	happy
973.4	980.96	7.56	happy
981.2	982.88	1.68	surprised
996.28	998.68	2.4	surprised
998.88	999.92	1.04	angry
1000.44	1004.32	3.88	happy

1005.64	1010.6	4.96	angry
1011.04	1012.68	1.64	happy
1014.44	1018.4	3.96	angry
1027.6	1029.72	2.12	angry
1031.92	1033.4	1.48	surprised
1037.6	1039.24	1.64	angry
1040.4	1041.72	1.32	surprised
1042	1048.48	6.48	happy
1053.6	1058.84	5.24	angry
1059.2	1081.24	22.04	happy
1091.56	1108.16	16.6	happy
1110.12	1118.64	8.52	angry
1118.84	1127.84	9	surprised
1128.08	1130.36	2.28	angry
1139.84	1141.76	1.92	happy
1143.88	1145.88	2	surprised
1146.08	1146.96	0.88	angry
1147.2	1153.4	6.2	surprised
1153.84	1154.44	0.6	happy
1155.28	1158.44	3.16	angry
1183.36	1184.4	1.04	angry
1186.56	1193.4	6.84	angry
1193.96	1196.32	2.36	surprised
1205.76	1209.76	4	angry
1210.44	1211.88	1.44	happy
1212.28	1221.76	9.48	angry

Secuencia de frases pronunciadas mientras juega traducidas al inglés:

start	end	duration	Translation Text
29.72	31.96	2.24	Blimey! This curve is very dangerous!
42.12	42.76	0.64	Uff!
44.96	46.48	1.52	Do I have to talk in this game too?
50	50.52	0.52	Shit!
54.96	56.44	1.48	I do not like it anything

63	64.92	1.92	Oh no! Bastard!
67.96	70.36	2.4	Blimey! Oh! Of course...with reason...
72.72	74.28	1.56	Oh! He has also crashed!
74.92	78.36	3.44	Good! I have advanced you! I have advanced you!
82.64	85.36	2.72	I have won the bronze medal!
85.56	85.88	0.32	Yes!
86.12	86.56	0.44	Well...
91.48	92.48	1	Okey...and now ?
93.68	95.36	1.68	It is in this way...Okey!
96.32	98.48	2.16	Do I try to get the silver medal? Yes!
101.88	103.96	2.08	Well, the bronze medal was difficult for me...
104.72	107.68	2.96	Eeeh! No!!! Blimey! What a bastard!
108.08	109.56	1.48	I have been avanced by all the cars!
110.92	111.44	0.52	There!
113.12	114.24	1.12	Nooo!
114.96	117.32	2.36	I already knew... Let's see if the car in front of me crash...
117.88	121.08	3.2	If he crash...Oh no! I crashed... okey?
122.16	123.56	1.4	Come on! I passed the finishing line...
127.24	129.16	1.92	Okay....Okey!
138.84	139.4	0.56	Yes!
141.56	142.16	0.6	Improve
144.8	147.24	2.44	I'm going to get the silver medal!
148.04	149.64	1.6	Don't advance me!
157.96	158.96	1	I don't know

162.8	163.48	0.68	Nothing!
164.24	164.88	0.64	Start!
171.08	174.52	3.44	How annoying! this man... the green!
175	175.68	0.68	Now yes...
183.4	184.56	1.16	Good!
187.16	189.84	2.68	I have the silver medal! Okey...
193.24	193.96	0.72	Okey...
194.28	194.84	0.56	Let's see
195.28	196.32	1.04	The gold medal no
197.68	198.52	0.84	I'm going to...
201	201.56	0.56	To the other...
201.76	202.36	0.6	to this...
209.44	211.32	1.88	The bronze medal...
213.32	216.48	3.16	This was the difficult, right? No! This is not the most difficult of all...
221.32	222.12	0.8	Come on!
233.88	235.24	1.36	Good!
239.12	241.4	2.28	Oh! Shit! I knew it!
244.44	245.2	0.76	Good!
248.8	250.92	2.12	Blimey! I have won two medals!
251.28	253.12	1.84	I'm the best!
256.48	259.28	2.8	Okey...I don't care...but It thrilled me!
261.28	263.4	2.12	I'm going to test to win the gold medal...yes!
265.24	266.4	1.16	I want the gold medal!
268.52	270.08	1.56	You move away! ohh!
270.44	271.12	0.68	Move away!

272.12	272.88	0.76	Move away!
274.92	276.4	1.48	All the cars advance me
278.32	279.88	1.56	I think I'm not going to try to win the gold...
282.68	284.6	1.92	If my car doesn't accelerate more...
292.92	293.52	0.6	What!?
296	297.64	1.64	I want...to exit
300.8	303.12	2.32	Mmm...I can't remember... Ah! okey... this!
304.36	306.28	1.92	I have two medals in each, no?
308.32	310.68	2.36	Now I'm enjoying this game.
313.56	314.16	0.6	Yes!
314.92	319.92	5	Come on! I'm going to put this... Oh! this is the difficult... Here i had to jump or something simil
324.88	327.08	2.2	Okey...already... I have already understand it...
329.52	330.48	0.96	I will not get pass this...
330.72	334.72	4	The bronze medal will also be difficult for me...NOOOO!
336.92	338.48	1.56	Okay, I didn't know where was the jump...
338.72	339.92	1.2	Okay, now i know it...
352.96	353.76	0.8	I get excited
355.6	356.2	0.6	What?
357.6	358.64	1.04	OK, I'm sorry!
360.92	362.28	1.36	I get excited!
371.44	372.56	1.12	OK, I'm sorry!
386.28	388.76	2.48	Well, I've got a new personal record.
389.2	391.4	2.2	God! If people have to watch my video...
392.6	393.24	0.64	I have shame

394.76	395.6	0.84	I know it
413.72	414.48	0.76	Damn...
417.92	418.44	0.52	How?
420.56	423.32	2.76	Ahh! I have to turn while i jump!
426.08	427.36	1.28	No! Here it was not.
431	431.76	0.76	ok, ok
434.72	437.2	2.48	When I jump... I already turn
437.52	439.4	1.88	No, i failed..so this way is worse
442.96	447.24	4.28	Well, at least I don't... I haven't died...
453.08	454.96	1.88	Sure, they do it before...
457.16	458.56	1.4	But i don't get it...
460.96	461.88	0.92	I do not get to do this.
471.68	472.56	0.88	No!
480.8	481.52	0.72	already?
483.76	485.44	1.68	Noo!! worse...
488.36	489.28	0.92	Every time I do it worse...
505.64	507.48	1.84	Maybe I have to press more time the side button
516.96	518.96	2	Yes, yes... I already know it but...
522.24	524.32	2.08	Ahh! Almost!
525.48	527.04	1.56	Now I have beaten my record, no?
527.84	529.36	1.52	Mine... own mine...
534.92	535.52	0.6	Already?
540	540.84	0.84	worse...
543.88	545.44	1.56	Now! Now I beat my record...
557.92	559.68	1.76	Blimey! Yes!

563.24	564.64	1.4	No! No! No!
566.44	567.48	1.04	How cool!
571.64	572.32	0.68	ok
573.2	573.8	0.6	No
574.76	575.68	0.92	I'm going to another
577.8	579.08	1.28	Now the stage of death...
580.16	581.48	1.32	I think this stage must be very difficult...
588.68	590.56	1.88	bloody hell! I'm nervous now!
593.52	594.36	0.84	really?
597.84	598.96	1.12	Ufff! I'm nervous!
603.28	603.96	0.68	Come on!
606.92	611.36	4.44	First I test this stage because I have to know the stage and where is the death jump.
613.6	615.12	1.52	Well...ok...well!
624.08	625.36	1.28	I have advanced you!
625.84	627.16	1.32	Nooooo!
627.48	628.84	1.36	The land causes skidding
633.84	634.52	0.68	Ok
635.68	637.2	1.52	Let's go for the silver medal!
641.28	643.76	2.48	Oh! Oh! I have done a good braking
649.44	651.24	1.8	Now I'm not going to let he advances me
651.44	652.64	1.2	Before he got it...
654.6	655.44	0.84	Bastard!
655.84	656.52	0.68	Exit
666.56	669	2.44	He already has won me...nothing...



677.52	679.56	2.04	This time I was better than before, right?
682.56	685	2.44	I'm going to crash this car! The car of the side!
685.92	687.44	1.52	And I also crash...
698.12	699.28	1.16	You go up through there!
699.64	701.56	1.92	You go up...so I advance you
701.56	702.52	0.96	Nooooo!
705.8	706.76	0.96	Oh! no! idiot!
708.48	709.12	0.64	Damn!
713.08	714.52	1.44	Well...I don't care...
716.6	718	1.4	I have persistence
724.8	726.8	2	Now the red car will know who I am...
729.08	730.56	1.48	Do not touch me!
730.56	731.76	1.2	This guy is stupid
744.52	747.8	3.28	That car is making me nervous!
748.96	750.44	1.48	He has the gold medal...
757.6	759.92	2.32	No! No! No! No! Now no!
761.64	762.68	1.04	Oh my God!
764.92	766.92	2	He advanced me at the last moment!
770.48	771.6	1.12	Now I'm going to win!
774.56	780.4	5.84	I'm going to take out him of the road! If I could hit him... I would take out him outside to kill hi
782.72	784.64	1.92	And the shadow that appears all the time?
787.8	789.96	2.16	Noo! I go!
793.92	795.8	1.88	Silver medal for me!
799.72	801.48	1.76	Ok. Now are there more circuits?
806.52	808.08	1.56	Oh! New circuits have appeared

820.12	823	2.88	Come on! I don't care how is the circuit...I'm going to win!
824.6	825.8	1.2	What do I have to do here?
826.6	828.04	1.44	I don't know but i'm sure i haven't to do it...
836.8	837.96	1.16	No!!!
840.48	842.88	2.4	Ok...Nothing...I have to understand the trick.
846.08	847.44	1.36	Come on! Let's see...Now...
848.96	849.72	0.76	Exit
850.92	852.12	1.2	Do I have to swim?
858.16	859.76	861.44	This is correct... I have to do it...No! No! No! Straight!
864.52	866.92	2.4	I'm alive, eh? I've saved
877.56	880.32	2.76	This circuit piss me
882.64	885.44	2.8	Well, I don't care. I'm going to finish the circuit although I don't win...
887.04	888.72	1.68	I'm going to go slowly to observe how it is.
890.2	891.56	1.36	I have to know how I can pass it...
895.48	897.36	1.88	Ufff! Ufff!
898.68	900.16	1.48	I'm going to do it slowly...
901.84	904.84	3	Very well... Slowly for see how go the circuit...
910.72	913.8	3.08	What can I do with this? Is it where i have fallen?
918.64	920.96	2.32	Imagine if I had a driving license...
921.92	923.4	1.48	I would be a little dangerous!
924.4	925.8	1.4	Out of the circuit
929.36	930.24	0.88	What!?
930.6	931.84	1.24	where I have to go?
932.72	934	1.28	Do I change the angle? Ah! ok.
			I know, Now it's just to see how is all the circuit.

937.16	940.12	2.96	
952.8	954.64	1.84	I have to pass it through the side, right?
961.24	963.24	2	Yes...Everything you say...
965.32	967.08	1.76	Come on! Change the view taht I can't to see.
970.2	970.88	0.68	Of course
972.04	975.88	3.84	Come on! I've got my own personal record!
978.2	980.56	2.36	Yes, I want to improve it, logically.
981.88	984.96	3.08	Well, I'm not going to win this circuit...
985.76	987.4	1.64	Hey! Don't crash on me!
988.28	988.96	0.68	Idiot...
995.76	997.88	2.12	Now I advance you, eh red car?
998.52	999.92	1.4	And now he advances me...
1005.96	1009.04	3.08	Ooh! I Know... I already know...I have stopped accelerating.
1009.2	1010.16	0.96	I have stopped accelerating...
1015.36	1017.6	2.24	The problem is that the red car is making me nervous
1022.68	1025.16	2.48	Well...I also want this game, ok? You have to borrow me
1030.36	1032.12	1.76	Why appear ghosts cars?
1052.76	1056.04	3.28	Red car! Red car! Red car! Nooo!
1057.56	1058.44	0.88	Nooo!
1058.8	1059.8	1	Yes!!!!
1063.44	1065	1.56	Blimey! It was the bronze!
1065.64	1067.52	1.88	Think I'm not going to try to get the silver, eh? <sup>I</sup>
1068.88	1070.12	1.24	I'm going to go to another stage.
1071.12	1073.68	2.56	Already...I don't want the silver medal...I am satisfied with bronze medal

1075.96	1076.8	0.84	No!
1078.08	1079.08	1	I go to the next!
1079.68	1080.8	1.12	What was? This, right?
1100.04	1101.84	1.8	Are you laughing at me, right?
1102.76	1104.92	2.16	I know! Thank you!
1106	1108.24	2.24	I have said that I was an inexperienced in these games.
1112.76	1114.4	1.64	Uff! What is this?
1120.76	1122.04	1.28	What is this?
1127.04	1128.52	1.48	What side is the correct?
1134.08	1134.8	0.72	It's through this side?
1135.72	1137	1.28	No...is the other...
1137.44	1138.8	1.36	You have confused me, eh?
1148.92	1149.88	0.96	This is the...
1150.36	1152.6	2.24	How will I go up this rise? If i go with fifth gear...
1153	1153.68	0.68	See?
1154.44	1157.36	2.92	Ooh no! I didn't know it...
1161.52	1163.64	2.12	I did not know it was there...
1172.88	1176.88	4	From now, I don't want the silver medals... If i got it once, I am satisfied.
1189.56	1191.52	1.96	Blimey! What a hit!
1192.24	1193.12	0.88	And they have advanced me...
1197.12	1198.64	1.52	No! Don't finish the time, eh?
1200.32	1201.2	0.88	I love it!
1202.68	1203.8	1.12	Do I have little time?
1205.68	1206.72	1.04	STOP
1206.72	1208.92	2.2	No! No! No! No!

1214.08	1217.16	3.08	I want to finish this stage... It's my personal challenge
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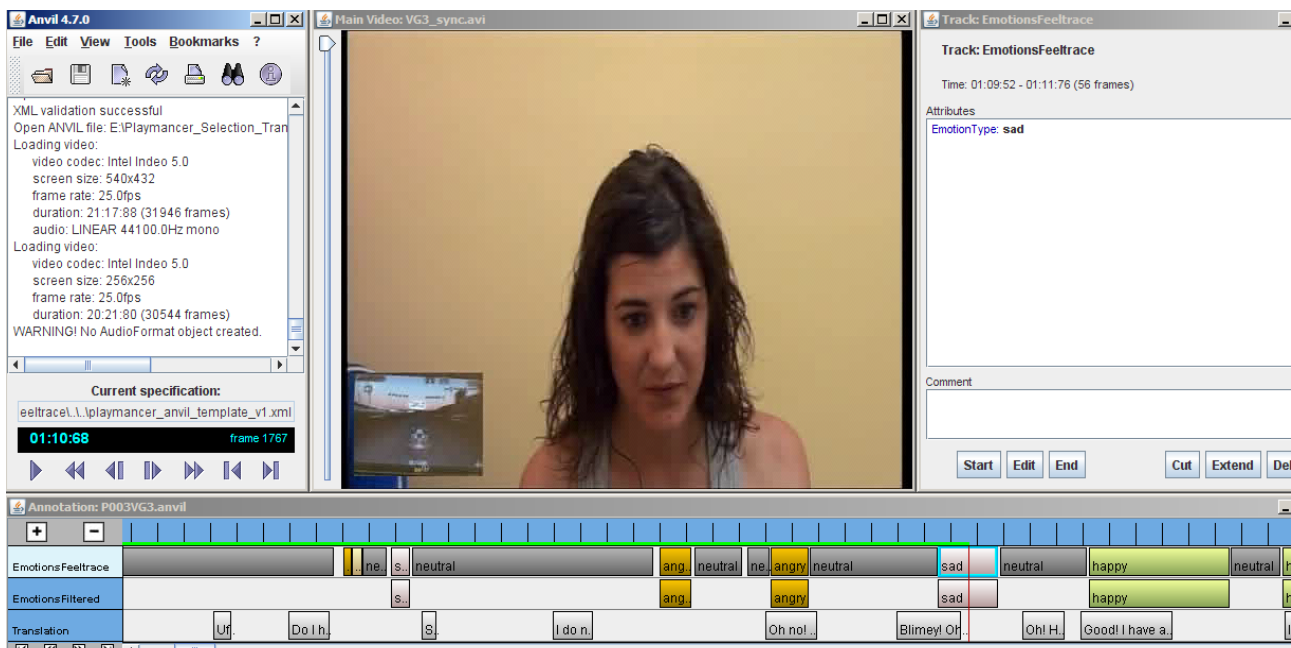


Ilustración 10. Zaida en estado "triste".

## 5.4 Eva en videojuegos de simulación

Estos son los resultados obtenidos después de analizar un video en el que Eva estaba jugando a un videojuego de carreras de coches durante unos 20 minutos aproximadamente. La primera columna indica el segundo en el video en el que empieza el estado emocional, la segunda el segundo en el que termina este estado, la tercera la duración en segundos del estado emocional y la cuarta el tipo de estado emocional o la frase pronunciada según la tabla.

Emociones que siente (Emotions Feeltrace):

start	end	duration	Emotion Type
0.25	52	51.75	neutral
52.28	57.56	5.28	afraid
57.68	58	0.32	neutral
58.36	60.08	1.72	happy

60.36	101.8	41.44	neutral
102.2	104.52	2.32	surprised
105.08	110.76	5.68	neutral
111.48	113.6	2.12	angry
114.36	121.52	7.16	neutral
121.84	133.04	11.2	happy
133.36	201.08	67.72	neutral
201.24	205.12	3.88	angry
205.48	239.88	34.4	neutral
240.32	246.32	6	afraid
246.68	280.08	33.4	neutral
280.4	281.12	0.72	angry
281.36	298.28	16.92	neutral
298.64	299.8	1.16	afraid
300.28	304.24	3.96	surprised
304.44	308.24	3.8	neutral
308.56	312.2	3.64	angry
312.44	314.24	1.8	afraid
314.36	325.56	11.2	neutral
325.84	327.2	1.36	surprised
327.4	357.84	30.44	neutral
358.08	360.44	2.36	afraid
360.84	371.24	10.4	neutral
371.68	372.88	1.2	angry
373.08	385.4	12.32	neutral
385.76	387.92	2.16	angry
388.12	393.88	5.76	neutral
394.12	396.96	2.84	afraid
397.12	403.24	6.12	neutral
403.44	404.2	0.76	angry
404.32	417.84	13.52	neutral
418.28	422.04	3.76	angry
422.32	424.12	1.8	neutral
424.4	426.84	2.44	angry
427.04	431.24	4.2	neutral
431.4	432.2	0.8	angry
432.68	451.92	19.24	neutral
452.6	455.44	2.84	afraid
456.28	459.36	3.08	neutral
459.68	461.16	1.48	afraid
461.28	464.12	2.84	neutral

464.48	471.52	7.04	afraid
472.2	476.4	4.2	neutral
476.8	479.88	3.08	angry
480.32	497.88	17.56	neutral
498.44	499.84	1.4	afraid
499.88	502	2.12	angry
502.32	518.72	16.4	neutral
519.12	519.24	0.12	angry
519.28	520.92	1.64	afraid
522.28	524.76	2.48	neutral
524.96	530.2	5.24	afraid
530.28	530.68	0.4	neutral
530.8	532.08	1.28	happy
533.08	534.72	1.64	happy
535	539.28	4.28	neutral
539.56	541.12	1.56	angry
541.32	543.28	1.96	neutral
543.44	551.32	7.88	happy
551.76	603.56	51.8	neutral
603.76	605.16	1.4	afraid
605.4	609.6	4.2	neutral
609.96	612.6	2.64	surprised
613.08	639.72	26.64	neutral
640	642.2	2.2	surprised
642.68	643.84	1.16	neutral
644	645.44	1.44	afraid
645.72	666.76	21.04	neutral
667.52	668.36	0.84	angry
668.64	683.24	14.6	neutral
683.8	691.16	7.36	angry
691.8	693.32	1.52	angry
693.6	711.16	17.56	neutral
711.64	716.36	4.72	afraid
716.76	722.84	6.08	neutral
723.16	725.8	2.64	afraid
725.84	733.92	8.08	neutral
734.52	737.72	3.2	afraid
737.88	742.12	4.24	angry
742.44	745.64	3.2	afraid
745.68	755.2	9.52	angry
755.52	768.44	12.92	neutral

769.36	771.88	2.52	afraid
772.28	774.2	1.92	neutral
774.56	779.72	5.16	afraid
781.24	795.08	13.84	neutral
795.6	798.6	3	afraid
798.76	803.88	5.12	angry
804.12	819.28	15.16	neutral
819.6	823.24	3.64	afraid
823.92	833.88	9.96	neutral
834.28	835.76	1.48	happy
836.56	844.16	7.6	neutral
844.32	846.04	1.72	happy
846.12	846.56	0.44	very happy
846.72	851.6	4.88	very happy
851.68	851.8	0.12	happy
852	900.12	48.12	neutral
900.4	905	4.6	afraid
905.32	913.96	8.64	neutral
914.4	918.12	3.72	angry
918.4	933.92	15.52	neutral
934.24	936.36	2.12	afraid
936.68	943.08	6.4	neutral
943.36	944.44	1.08	afraid
944.52	948.56	4.04	angry
948.96	966.4	17.44	neutral
966.72	968.4	1.68	afraid
968.84	972.8	3.96	neutral
973.04	977.76	4.72	afraid
977.96	988.88	10.92	neutral
989.24	994.76	5.52	angry
995.88	997.44	1.56	angry
998.12	1008.56	10.44	neutral
1008.84	1010.96	2.12	afraid
1011.2	1024.56	13.36	neutral
1024.96	1028.36	3.4	afraid
1028.88	1044.04	15.16	neutral
1044.12	1050.76	6.64	afraid
1051.04	1055.2	4.16	angry
1055.48	1078	22.52	neutral
1078.2	1079.96	1.76	afraid
1080.04	1085.44	5.4	angry



1085.92	1097.92	12	neutral
1098.36	1105.8	7.44	afraid
1106.08	1110.16	4.08	neutral
1110.48	1112.84	2.36	happy
1113.44	1126.16	12.72	neutral
1126.24	1126.48	0.24	afraid
1126.6	1128.08	1.48	afraid
1128.36	1132.44	4.08	neutral
1132.52	1135.08	2.56	afraid
1135.2	1142.68	7.48	neutral
1142.84	1144	1.16	afraid
1144.12	1148.48	4.36	angry
1150.36	1155.76	5.4	angry
1156.2	1183.44	27.24	neutral
1183.92	1187.08	3.16	angry
1187.92	1191.52	3.6	neutral
1191.8	1197.68	5.88	happy
1197.88	1201.72	3.84	neutral

Emociones filtradas (Emotions Filtered):

start	end	duration	Emotion Type
31	32.6	1.6	surprised
48.84	49.52	0.68	sad
59	60.16	1.16	angry
63.2	64.6	1.4	angry
69.52	71.76	2.24	sad
75.24	80.52	5.28	happy
82.56	87.08	4.52	happy
106.64	111.44	4.8	angry
114.04	114.96	0.92	angry
119.2	121.28	2.08	angry
122.52	123.2	0.68	happy
148.08	154.76	6.68	angry
158.48	160.48	2	sad
169.6	175.12	5.52	angry
176.4	180.08	3.68	happy
183.2	185.36	2.16	happy

187.12	188.52	1.4	surprised
188.8	190.12	1.32	happy
234.92	235.72	0.8	happy
236.48	237.12	0.64	happy
238.64	243.84	5.2	angry
244.4	246.56	2.16	happy
248.04	249.12	1.08	happy
249.36	253.48	4.12	surprised
253.56	260.56	7	happy
263.4	264.32	0.92	surprised
264.6	266.24	1.64	happy
285.68	288	2.32	angry
288.72	292.6	3.88	happy
308.84	309.76	0.92	surprised
309.84	313.32	3.48	happy
318.88	320.8	1.92	surprised
323.16	327.56	4.4	happy
332.24	335.92	3.68	angry
336.36	338.88	2.52	happy
344.2	347.48	3.28	angry
347.76	358.32	10.56	happy
360.88	369.44	8.56	happy
375.24	375.92	0.68	angry
376.16	377.36	1.2	happy
378.64	379.92	1.28	surprised
380.2	386.4	6.2	happy
391.64	399.72	8.08	happy
401.68	403.16	1.48	happy
403.56	407.12	3.56	angry
414.16	416.4	2.24	angry
418.4	420.44	2.04	happy
420.88	423.92	3.04	surprised
425.56	426.44	0.88	angry
436.76	438.88	2.12	angry
445.96	447	1.04	sad
475	478.64	3.64	angry
484.32	487.52	3.2	angry
499.44	507.2	7.76	angry
507.76	511.32	3.56	angry
521.6	525.04	3.44	angry
538.6	539.2	0.6	surprised

540.28	541.2	0.92	sad
542.32	547.8	5.48	angry
548.84	553.4	4.56	angry
559.24	560.28	1.04	surprised
560.52	561.44	0.92	happy
562.48	572.88	10.4	happy
573.96	575	1.04	happy
585.36	603.92	18.56	happy
615	617.4	2.4	angry
619.2	624.32	5.12	angry
626.2	631.52	5.32	angry
642.12	643.32	1.2	happy
653.76	658.88	5.12	angry
662.88	678.6	15.72	angry
683.8	686.32	2.52	angry
686.76	688.92	2.16	happy
690.64	691.76	1.12	happy
694.12	698.44	4.32	angry
699.76	719.84	20.08	angry
729.92	738.72	8.8	angry
745.92	757.24	11.32	angry
757.6	759.6	2	angry
760.08	761.6	1.52	happy
768.12	769	0.88	happy
769.24	770.64	1.4	surprised
778.56	784.64	6.08	angry
788.08	789.8	1.72	angry
791.6	798.08	6.48	happy
809.52	810.52	1	surprised
826.2	830.8	4.6	surprised
831.12	835.96	4.84	happy
837	839.88	2.88	angry
845.04	846.16	1.12	happy
848.2	849.88	1.68	angry
851.76	856.24	4.48	happy
857.88	858.6	0.72	angry
860.6	864.44	3.84	angry
866.84	868.88	2.04	happy
873.52	878.04	4.52	angry
891.6	893.64	2.04	angry
896.12	901.76	5.64	angry

902.32	906.4	4.07	happy
907.68	910.6	2.92	angry
919.08	919.76	0.68	angry
924.28	929.84	5.56	happy
942.96	946.8	3.84	angry
947.52	956.28	8.76	angry
956.76	957.8	1.04	happy
957.96	965.44	7.48	happy
966.24	968.28	2.04	happy
973.4	980.96	7.56	happy
981.2	982.88	1.68	surprised
996.28	998.68	2.4	surprised
998.88	999.92	1.04	angry
1000.44	1004.32	3.88	happy
1005.64	1010.6	4.96	angry
1011.04	1012.68	1.64	happy
1014.44	1018.4	3.96	angry
1027.6	1029.72	2.12	angry
1031.92	1033.4	1.48	surprised
1037.6	1039.24	1.64	angry
1040.4	1041.72	1.32	surprised
1042	1048.48	6.48	happy
1053.6	1058.84	5.24	angry
1059.2	1081.24	22.04	happy
1091.56	1108.16	16.6	happy
1110.12	1118.64	8.52	angry
1118.84	1127.84	9	surprised
1128.08	1130.36	2.28	angry
1139.84	1141.76	1.92	happy
1143.88	1145.88	2	surprised
1146.08	1146.96	0.88	angry
1147.2	1153.4	6.2	surprised
1153.84	1154.44	0.6	happy
1155.28	1158.44	3.16	angry
1183.36	1184.4	1.04	angry
1186.56	1193.4	6.84	angry
1193.96	1196.32	2.36	surprised
1205.76	1209.76	4	angry
1210.44	1211.88	1.44	happy
1212.28	1221.76	9.48	angry

Secuencia de frases pronunciadas mientras juega traducidas al inglés:

start	end	duration	Translation Text
32.24	33.44	1.2	Hey! I go outside
40.24	41.28	1.04	Hey! I go outside
41.72	42.44	0.72	Damn!
46.12	47.96	1.84	I don't know if I have advanced the other...
51.92	54.36	2.44	I've got medal or I have not got medal? Okay...Good!
58.76	60.76	2	Can I try to get another medal, right? yes! Come on!
61.68	62.16	0.48	No!
63.04	63.92	0.88	Hey! no!
67.2	68	0.8	Correct
96.4	97.2	0.8	Okay
98.08	100.52	2.44	Bloody hell! what a bugger!
101.48	102.28	0.8	What a shit!
105.52	106.48	0.96	Damn! I haven't seen the water!
110.4	111.36	0.96	Wednesday!
119.68	121.4	1.72	Bravo! Good! Come on!
126.16	128.28	2.12	How thoughtful! I've already got I'm the best
136.88	137.8	0.92	Ah! Ok
139.56	140.2	0.64	No!
141.6	142.32	0.72	Let's see
160.32	162.56	2.24	I think that it's not here, right? yes? ok
196.76	199.04	2.28	Hey! I crash! Well no...I finish
200.88	201.64	0.76	Blimey!

201.92	202.72	0.8	It's very easy
211.36	213.08	1.72	ok...Come on! I'm going to try...
214.96	216	1.04	I have liked this
229.88	230.8	0.92	He runs very fast!
238.2	239.04	0.84	Then no...
242.4	243.84	1.44	Well, then I'm going to get the other...
272.8	273.88	1.08	This is very difficult
276.32	279.44	3.12	Hey! I don't know this circuit...Oh no! I start well...Come on!
291.92	293.96	2.04	There! Good!
300.32	301.32	1	Be careful!
306.6	308.28	1.68	Oh my God! No!
309.6	310.48	0.88	Shit!
311.68	312.96	1.28	I was going very well...
316.04	317.4	1.36	Damn! bloody hell! Come on...
321.48	322.8	1.32	it is the emotion...
324.64	325.68	1.04	Please...
326.68	327.4	0.72	Enough!
330.88	331.44	0.56	Now!
339.12	341	1.88	Be careful! I'm going to crash!
351.56	353.28	1.72	Wait, I still can advance you
355.56	356.68	1.12	Shit! What a hit!
357.36	358.64	1.28	Out...Come on!
358.96	359.76	0.8	Damn!
360.56	361.32	0.76	This is very difficult

369.76	371.36	1.6	Oh my God!
385.76	386.68	0.92	What a hit!
391.2	392.76	1.56	I don't want to crash with a rock please...
400.08	400.96	0.88	This is personal...
417.48	418.4	0.92	Damn!
422.76	423.92	1.16	No! Dude!
424.28	425.52	1.24	Damn! Is not possible!
429.56	430.24	0.68	Shit!
450.64	453	2.36	Poor car! This is a disaster...
458.4	459.2	0.8	Please...
476.24	478.2	1.96	Damn! just a bit and i finish!
521.8	523.12	1.32	Come on Eva! You can!
524.32	525.28	0.96	No! No! No!
527.88	530.6	2.72	Wednesday! No! No! well well well!
531.48	532.96	1.48	Come on! Go go go!
536.4	538.24	1.84	Oh my God! I go very fast!
541.28	542.28	1	How thoughtful! Look!
543.6	546.92	3.32	I hurt my fingers because of press the buttons
552.92	553.8	0.88	I don't want
555.76	556.76	1	well, ok
602.28	602.88	0.6	Blimey!
606.84	608.48	1.64	This is very difficult! Ufff!
627.6	628.2	0.6	flush
642.44	643.48	1.04	Please
644.28	645.12	0.84	How thoughtful!

649.12	652.12	3	I do not know where I am or whether I got the bronze medal
683.96	685.44	1.48	I'm crashing!
689.96	690.6	0.64	out!
732.48	733.32	0.84	I leave
736.88	737.76	0.88	Come on!
745.36	746.32	0.96	Damn!
760.6	761.6	1	Come on!
763	764.44	1.44	Well! What a peevish!
773.52	776.2	2.68	I'm hitting a lot!
777	777.84	0.84	Come on!
778.72	779.68	0.96	Well...ok
781.48	781.96	0.48	what a pity!
799.24	799.92	0.68	Idiot!
801.28	802.12	0.84	It's impossible
812.76	813.8	1.04	Come on! Come on!
818.2	819.96	1.76	Bloody hell! Again! Ok...
829.28	832.16	2.88	Come on! You can! I'm going to advance you!
834.24	835.24	1	Come on! Come on! Come on!
843.32	844.16	0.84	Good!
847.68	849.8	2.12	Finally, I will be bronze...
850.32	851	0.68	Well
852.44	853.28	0.84	No!
853.64	854.56	0.92	I don't follow
858.32	859.36	1.04	which is the next?



859.68	860.28	0.6	This?
861.72	862.4	0.68	This?
868.76	869.4	0.64	This
872.12	873.32	1.2	My fingers hurts
912.6	914.68	2.08	bloody hell! Damn! What a hit!
942.92	944.08	1.16	What a bit!
973.64	974.64	1	What a bit!
974.64	976.8	2.16	Oh my mother! I can't see him! Where? ok, there...
988.04	989.4	1.36	Bloody hell! What a big hit!
993.12	994.44	1.32	I love the speed
1045.48	1047.4	1.92	Blimey! This circuit has many curves!
1049.72	1051.52	1.8	Well...another hit... Come on!
1078.52	1079.76	1.24	No! What a hit!
1100.52	1102.16	1.64	Oh my God! I'm an idiot...
1109	1109.84	0.84	Good!
1118.36	1119.36	1	Come on! Come on!
1131.52	1133	1.48	Oh my God! I'm going mad!
1140.96	1144.4	3.44	Come on! Damn! There are many curves!
1157.48	1159.4	1.92	Last lap! Come on! I hope it is true!
1161.72	1163.12	1.4	Because I'm getting nervous...
1175.44	1176.32	0.88	Come on...
1199.8	1200.68	0.88	STOP!
1201.84	1202.36	0.52	already?

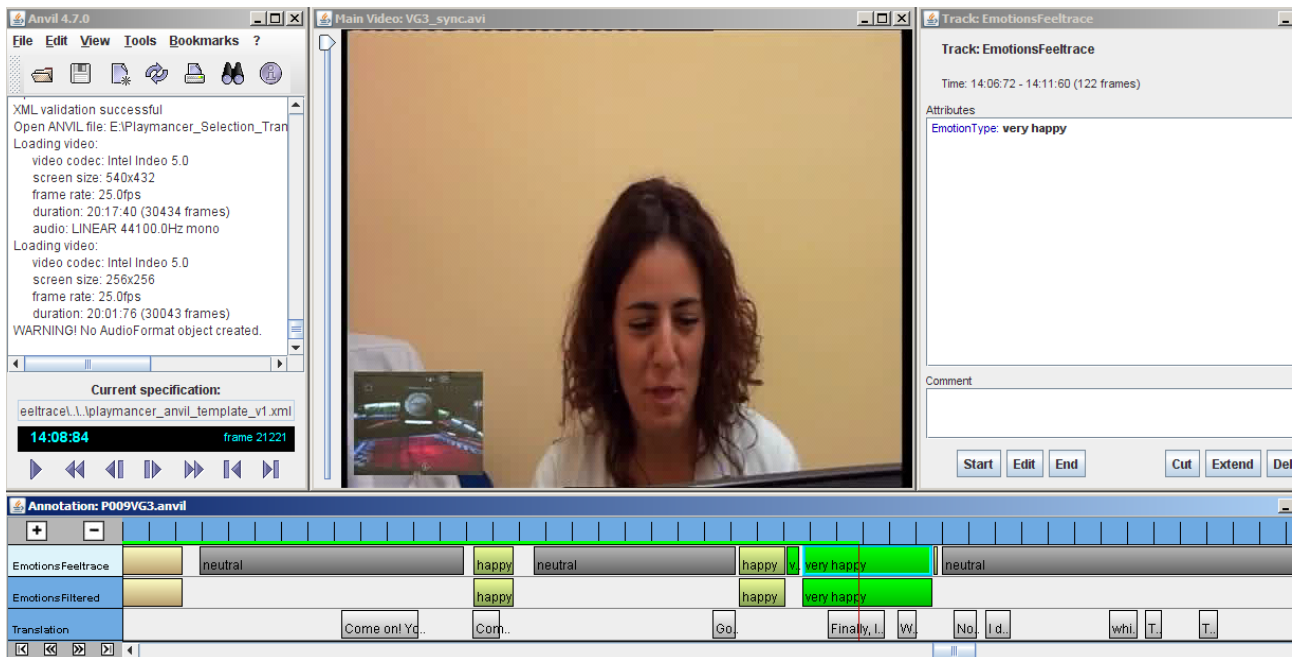


Ilustración 11. Eva en estado "muy feliz".

## 5.5 Alexis en videojuegos de simulación

Estos son los resultados obtenidos después de analizar un video en el que Alexis estaba jugando a un videojuego de carreras de coches durante unos 20 minutos aproximadamente. La primera columna indica el segundo en el video en el que empieza el estado emocional, la segunda el segundo en el que termina este estado, la tercera la duración en segundos del estado emocional y la cuarta el tipo de estado emocional o la frase pronunciada según la tabla.

Emociones que siente (Emotions Feeltrace):

start	end	duration	Emotion Type
0.25	5.32	5.07	neutral
6.12	10.84	4.72	surprised
11.4	23.16	11.76	neutral
23.52	28.88	5.36	happy
29.36	31.76	2.4	neutral
32.52	68.52	36	happy
69.32	70.88	1.56	afraid
72.12	76.88	4.76	surprised
77.92	79.2	1.28	happy
79.4	83.92	4.52	neutral

84.24	88.44	4.2	happy
89.04	92.12	3.08	surprised
92.76	99.72	6.96	neutral
100.08	106.2	6.12	happy
106.76	107.44	0.68	neutral
107.6	110.28	2.68	afraid
110.48	110.6	0.12	neutral
110.88	118.76	7.88	happy
119	130.4	11.4	neutral
130.92	132	1.08	afraid
132.08	132.28	0.2	neutral
132.56	139.56	7	happy
140.08	148.96	8.88	neutral
149.44	156.76	7.32	surprised
157.36	170.4	13.04	neutral
170.68	173.2	2.52	relaxed
174.08	177.2	3.12	happy
177.84	182	4.16	neutral
182.84	183.28	0.44	angry
183.6	183.72	0.12	neutral
183.88	183.92	0.04	happy
184.12	184.16	0.04	happy
184.44	186.12	1.68	happy
186.36	205.68	19.32	neutral
206	206.52	0.52	angry
206.8	207.52	0.72	neutral
208.64	228.44	19.8	happy
228.6	228.68	0.08	neutral
229.52	235.24	5.72	afraid
235.64	253.12	17.48	neutral
253.44	269.56	16.12	happy
269.8	278.8	9	neutral
279.2	282.48	3.28	afraid
283.32	315.48	32.16	neutral
316.28	319.32	3.04	sad
319.52	336.12	16.6	neutral
336.64	338.4	1.76	afraid
338.92	341.84	2.92	neutral
342.04	343.52	1.48	afraid
344.16	344.64	0.48	neutral
344.96	349.36	4.4	happy

350.16	357.12	6.96	neutral
357.4	357.48	0.08	surprised
357.6	362.84	5.24	surprised
363.48	366.08	2.6	neutral
366.44	378.24	11.8	happy
378.52	385.2	6.68	neutral
386.2	388.52	2.32	happy
388.76	391.64	2.88	neutral
391.92	393	1.08	surprised
393.28	422.08	28.8	neutral
422.52	424.92	2.4	surprised
425.32	427.16	1.84	neutral
427.24	433.8	6.56	relaxed
433.92	438.24	4.32	neutral
438.88	440.36	1.48	surprised
441	443.16	2.16	neutral
443.44	447.24	3.8	neutral
447.52	448.96	1.44	angry
449.56	454.56	5	neutral
455.04	455.8	0.76	sad
456.04	459.12	3.08	neutral
459.48	467.12	7.64	happy
467.36	469.04	1.68	neutral
469.44	470.52	1.08	surprised
471.12	479.08	7.96	happy
479.36	481.32	1.96	neutral
481.56	484.44	2.88	surprised
485.08	489.92	4.84	neutral
490.2	491.68	1.48	angry
492.48	495.96	3.48	happy
496.16	499.32	3.16	neutral
499.8	500.44	0.64	surprised
500.88	506.76	5.88	happy
507.32	507.56	0.24	angry
507.72	508.16	0.44	angry
508.32	535.04	26.72	neutral
535.48	541.36	5.88	surprised
542	543.24	1.24	happy
543.52	551.84	8.32	surprised
552.84	552.88	0.04	angry
552.96	555.12	2.16	angry

555.92	558.72	2.8	happy
559.08	561.32	2.24	neutral
561.44	562.56	1.12	surprised
563.08	564.08	1	angry
564.32	568.6	4.28	surprised
569.32	571.32	2	neutral
571.52	572.56	1.04	sad
572.84	581.44	8.6	neutral
581.76	583.04	1.28	bored
583.24	593.2	9.96	neutral
593.96	596	2.04	surprised
596.64	606.72	10.08	neutral
607.36	608.84	1.48	angry
609.68	609.72	0.04	neutral
610.48	611.84	1.36	neutral
612.04	612.32	0.28	afraid
612.56	613.6	1.04	sad
613.76	617.52	3.76	neutral
617.72	618.88	1.16	bored
619.24	625.84	6.6	neutral
625.96	630.56	4.6	relaxed
630.72	635.44	4.72	neutral
635.64	636.48	0.84	angry
636.76	643.68	6.92	neutral
644.12	644.72	0.6	surprised
645.32	656.28	10.96	happy
656.44	660.32	3.88	neutral
660.56	665.44	4.88	sad
665.48	669.56	4.08	bored
669.72	688.92	19.2	neutral
688.96	689.16	0.2	afraid
689.32	690.88	1.56	angry
691.2	693.12	1.92	neutral
693.64	694.56	0.92	happy
695.2	696.76	1.56	happy
696.84	698.56	1.72	neutral
698.84	705.44	6.6	surprised
705.68	708.8	3.12	neutral
709.56	718.36	8.8	happy
718.64	730	11.36	neutral
730.32	734.8	4.48	bored

735	743.4	8.4	neutral
743.72	746.8	3.08	relaxed
746.92	759.36	12.44	neutral
759.8	763	3.2	afraid
763.16	771.32	8.16	neutral
771.52	773.44	1.92	surprised
773.88	781.96	8.08	neutral
782.28	783.28	1	angry
783.64	792.24	8.6	neutral
792.48	797.08	4.6	surprised
797.36	803.12	5.76	angry
803.48	807.16	3.68	neutral
807.36	807.4	0.04	angry
807.56	811	3.44	angry
811.32	818.48	7.16	neutral
818.76	821.2	2.44	surprised
821.36	824.48	3.12	neutral
824.6	826.24	1.64	angry
826.6	836.16	9.56	neutral
836.28	836.36	0.08	angry
836.96	838.52	1.56	angry
838.96	859.64	20.68	neutral
859.92	861.24	1.32	surprised
861.52	869.56	8.04	neutral
869.84	871.24	1.4	surprised
871.76	875.12	3.36	sad
875.12	876.32	1.2	bored
876.32	878.2	1.88	sad
878.36	880.24	1.88	neutral
880.52	883.72	3.2	sad
883.88	887.96	4.08	neutral
888.32	889.76	1.44	relaxed
889.8	896.48	6.68	neutral
896.72	898.16	1.44	relaxed
898.24	899.24	1	neutral
899.56	903.68	4.12	surprised
904.08	913.04	8.96	neutral
913.2	914.8	1.6	angry
915.28	924.92	9.64	neutral
927	928.44	1.44	angry
928.64	928.96	0.32	afraid

929	929.04	0.04	neutral
929.48	930.12	0.64	surprised
930.52	934.32	3.8	happy
935.64	936.52	0.88	sad
936.6	936.92	0.32	neutral
937.24	939	1.76	happy
939.24	940.84	1.6	neutral
941.12	942.52	1.4	angry
942.8	945	2.2	neutral
945.16	947.4	2.24	angry
947.76	949.12	1.36	neutral
949.48	953.44	3.96	surprised
953.92	965.32	11.4	neutral
965.64	965.84	0.2	afraid
966	967.2	1.2	sad
967.52	969.96	2.44	neutral
970.32	977.6	7.28	sad
977.68	984.64	6.96	neutral
985	986.72	1.72	happy
986.8	986.88	0.08	neutral
987.28	989.52	2.24	angry
989.68	989.76	0.08	afraid
990.32	994.44	4.12	sad
994.52	997.56	3.04	bored
997.76	1000.2	2.44	neutral
1000.52	1004.24	3.72	relaxed
1004.32	1007.8	3.48	neutral
1008.32	1018.84	10.52	happy
1019	1023.84	4.84	neutral
1023.96	1026.56	2.6	neutral
1026.88	1027.72	0.84	angry
1028.16	1036.27	8.11	neutral
1036.56	1038.2	1.64	surprised
1038.52	1046	7.48	neutral
1046.24	1049.2	2.96	relaxed
1049.24	1053.16	3.92	neutral
1053.28	1056.68	3.4	happy
1056.96	1060.76	3.8	neutral
1061	1061.56	0.56	angry
1062.2	1062.8	0.6	happy
1063.08	1068.48	5.4	neutral

1068.68	1070.24	1.56	angry
1070.88	1074.72	3.84	happy
1075.04	1076.2	1.16	neutral
1076.48	1079.04	2.56	sad
1079.32	1084.16	4.84	neutral
1084.28	1094.44	10.16	surprised
1094.72	1099.56	4.84	neutral
1099.68	1102.92	3.24	surprised
1103.2	1105.96	2.76	surprised
1106.28	1118.08	11.8	neutral
1118.96	1120.36	1.4	sad
1120.36	1120.4	0.04	bored
1120.56	1131.96	11.4	neutral
1132.32	1137.12	4.8	angry
1137.52	1143.56	6.04	neutral
1143.72	1143.76	0.04	happy
1143.84	1146.44	2.6	happy
1146.64	1148.96	2.32	neutral
1149.16	1152.64	3.48	happy
1153.08	1157.4	4.32	surprised
1157.68	1160.64	2.96	neutral
1161.28	1161.72	0.44	happy
1161.92	1169.24	7.32	neutral
1169.68	1190.52	20.84	neutral
1190.8	1191.6	0.8	angry
1191.92	1192.96	1.04	neutral
1193.2	1194.76	1.56	happy
1194.92	1196.8	1.88	neutral
1197.08	1197.96	0.88	angry
1198.16	1198.92	0.76	surprised
1199.36	1200.04	0.68	happy
1200.4	1201.2	0.8	angry
1201.44	1207.04	5.6	neutral
1207.16	1208.24	1.08	surprised
1208.68	1211.16	2.48	neutral
1211.44	1212.08	0.64	afraid
1212.28	1214.2	1.92	neutral



Emociones filtradas (Emotions Filtered):

<b>start</b>	<b>end</b>	<b>duration</b>	<b>Emotion Type</b>
6.12	10.84	4.72	surprised
23.52	28.88	5.36	happy
32.52	68.52	36	happy
69.32	70.88	1.56	afraid
72.12	76.88	4.76	surprised
77.92	79.2	1.28	happy
84.24	88.44	4.2	happy
89.04	92.12	3.08	surprised
100.08	106.2	6.12	happy
107.6	110.28	2.68	afraid
110.88	118.76	7.88	happy
130.92	132	1.08	afraid
132.56	139.56	7	happy
149.44	156.76	7.32	surprised
170.68	173.2	2.52	relaxed
174.08	177.2	3.12	happy
184.44	186.12	1.68	happy
208.64	228.44	19.8	happy
229.52	235.24	5.72	afraid
253.44	269.56	16.12	happy
279.2	282.48	3.28	afraid
316.28	319.32	3.04	sad
336.64	338.4	1.76	afraid
342.04	343.52	1.48	afraid
344.96	349.36	4.4	happy
357.6	362.84	5.24	surprised
366.44	378.24	11.8	happy
386.2	388.52	2.32	happy
391.92	393	1.08	surprised
422.52	424.92	2.4	surprised
427.24	433.8	6.56	relaxed
438.88	440.36	1.48	surprised
447.52	448.96	1.44	angry
455.04	455.8	0.76	sad

459.48	467.12	7.64	happy
469.44	470.52	1.08	surprised
471.12	479.08	7.96	happy
481.56	484.44	2.88	surprised
490.2	491.68	1.48	angry
492.48	495.96	3.48	happy
499.8	500.44	0.64	surprised
500.88	506.76	5.88	happy
535.48	541.36	5.88	surprised
542	543.24	1.24	happy
543.52	551.84	8.32	surprised
552.96	555.12	2.16	angry
555.92	558.72	2.8	happy
561.44	562.56	1.12	surprised
563.08	564.08	1	angry
564.32	568.6	4.28	surprised
571.52	572.56	1.04	sad
581.76	583.04	1.28	bored
593.96	596	2.04	surprised
607.36	608.84	1.48	angry
612.56	613.6	1.04	sad
617.72	618.88	1.16	bored
625.96	630.56	4.6	relaxed
635.64	636.48	0.84	angry
644.12	644.72	0.6	surprised
645.32	656.28	10.96	happy
660.56	665.44	4.88	sad
665.48	669.56	4.08	bored
689.32	690.88	1.56	angry
693.64	694.56	0.92	happy
695.2	696.76	1.56	happy
698.84	705.44	6.6	surprised
709.56	718.36	8.8	happy
730.32	734.8	4.48	bored
743.72	746.8	3.08	relaxed
759.8	763	3.2	afraid
771.52	773.44	1.92	surprised
782.28	783.28	1	angry
792.48	797.08	4.6	surprised
797.36	803.12	5.76	angry
807.56	811	3.44	angry

818.76	821.2	2.44	surprised
824.6	826.24	1.64	angry
836.96	838.52	1.56	angry
859.92	861.24	1.32	surprised
869.84	871.24	1.4	surprised
871.76	875.12	3.36	sad
875.12	876.32	1.2	bored
876.32	878.2	1.88	sad
880.52	883.72	3.2	sad
888.32	889.76	1.44	relaxed
896.72	898.16	1.44	relaxed
899.56	903.68	4.12	surprised
913.2	914.8	1.6	angry
927	928.44	1.44	angry
929.48	930.12	0.64	surprised
930.52	934.32	3.8	happy
935.64	936.52	0.88	sad
937.24	939	1.76	happy
941.12	942.52	1.4	angry
945.16	947.4	2.24	angry
949.48	953.44	3.96	surprised
966	967.2	1.2	sad
970.32	977.6	7.28	sad
985	986.72	1.72	happy
987.28	989.52	2.24	angry
990.32	994.44	4.12	sad
994.52	997.56	3.04	bored
1000.52	1004.24	3.72	relaxed
1008.32	1018.84	10.52	happy
1026.88	1027.72	0.84	angry
1036.56	1038.2	1.64	surprised
1046.24	1049.2	2.96	relaxed
1053.28	1056.68	3.4	happy
1062.2	1062.8	0.6	happy
1068.68	1070.24	1.56	angry
1070.88	1074.72	3.84	happy
1076.48	1079.04	2.56	sad
1084.28	1094.44	10.16	surprised
1099.68	1102.92	3.24	surprised
1103.2	1105.96	2.76	surprised
1118.96	1120.36	1.4	sad

1132.32	1137.12	4.8	angry
1143.84	1146.44	2.6	happy
1149.16	1152.64	3.48	happy
1153.08	1157.4	4.32	surprised
1190.8	1191.6	0.8	angry
1193.2	1194.76	1.56	happy
1197.08	1197.96	0.88	angry
1198.16	1198.92	0.76	surprised
1199.36	1200.04	0.68	happy
1200.4	1201.2	0.8	angry
1207.16	1208.24	1.08	surprised
1211.44	1212.08	0.64	afraid

Secuencia de frases pronunciadas mientras juega traducidas al inglés:

start	end	duration	Translation Text
3.72	8.12	4.4	I continue from where it was before, or I begin from beginning?
29.32	31.76	2.44	Come on! Let's go to this stage!
32.24	34.36	2.12	It's hard, eh? It's difficult...
35.72	37.36	1.64	I talk alone a lot of times...
40.44	41.28	0.84	Come on!
49.56	50.56	1	I already cock it
62.72	64.4	1.68	Is better enter through the middle here
64.96	65.68	0.72	Now!
66.36	67.12	0.76	Noo!
67.96	69.56	1.6	The other too, eh?
70.6	74.24	3.64	It is not the same stage as before! Ahhh! I thought it was the same as before...Wait
75.12	76.88	1.76	Now I'm going to test by the side
80.2	81.76	1.56	What a bugger! It's impossible, eh?

85.36	86.16	0.8	So, really?
88.08	89.88	1.8	Ah, if I fall well, I can continue... Ok
90.52	92.32	1.8	But would be cool be possible to jump
105.16	106.44	1.28	I have lost again, eh?
107.52	108.28	0.76	What a pity!
110.6	111.36	0.76	Come back
113.2	113.8	0.6	Improve
128.92	129.88	0.96	Now i got it!
139.2	139.96	0.76	Okey
142.12	142.8	0.68	No!
145.24	145.92	0.68	Christ!
147.32	148.24	0.92	Is not there more?
181.56	183	1.44	Oh! Shit!
228.08	229.72	1.64	Bloody hell! What a hit!
251.84	252.88	1.04	Good!
256.8	258.08	1.28	Ehh! hit me!
267.92	270.04	2.12	This stage is hard, eh? bloody hell!
272.4	273.28	0.88	Noo!
292.72	293.92	1.2	Oh my mother!
312.76	313.72	0.96	Down!
316.68	318.16	1.48	It has been a nice hit
322.72	324.04	1.32	Very hard this stage, eh?
332.6	333.44	0.84	Shit!
334.52	336.64	2.12	Oh no! I drove well!
340.6	341.48	0.88	Down!

354.88	355.56	0.68	Goodbye!
356.48	357.24	0.76	Oh!
357.64	358.44	0.8	What luck!
363.24	365.92	2.68	Look! Look! I will lose again!
369.32	370.24	0.92	Eh dude!
376.2	379.44	3.24	Come on! Jump! You can get it!
382.76	386.16	3.4	He has crashed, eh? I have won because my opponent has crashed.
395.68	396.92	1.24	Okay...that...
397.6	398.44	0.84	No!
399.68	400.32	0.64	Exit
402.28	406.04	3.76	Okey...How can I know that they are confirmed? Ah! because I have the mark here, okey...
408	408.84	0.84	Very well
442.56	443.4	0.84	Oh!
444.72	445.88	1.16	Bloody hell! What a hit!
451	452.4	1.4	Ooh! It 's not so...
453.68	454.52	0.84	Come back
472.88	473.84	0.96	What a hit!
476.96	479.92	2.96	I've done wrong...ah! Are various laps, dude?
482.44	483.72	1.28	Cool!
489.08	493.28	4.2	Bloody hell! What bad! I'm very clumsy...
495.52	498.48	2.96	This stage is nice, eh? Is well done...
498.8	499.4	0.6	Oh!
507.12	508.92	1.8	I'm going outside. I don't win.
510.24	512.88	2.64	The important thing is to participate, dude. Come on.

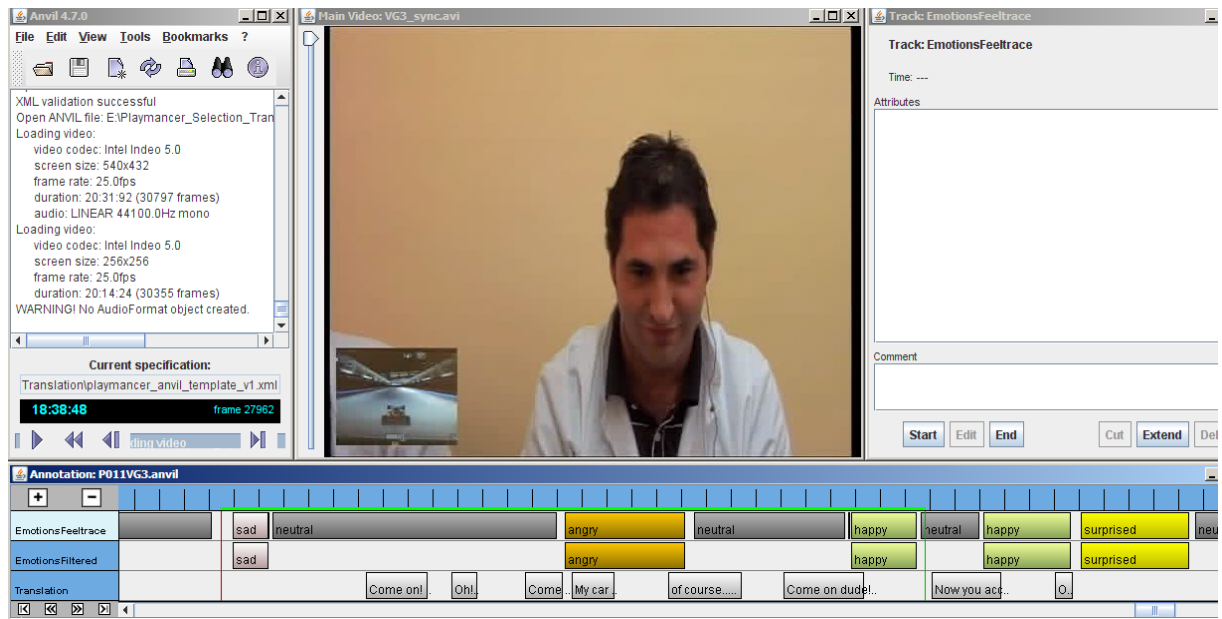
518.8	519.72	0.92	Let's go!
526.48	528.68	2.2	I'm skimming the crossbar!
542.4	543.24	0.84	OH!
547.4	548.48	1.08	Bloody hell! What difficult!
550.28	551.2	0.92	Oh! What a hit!
553.2	554.72	1.52	He doesn't go up!
555.2	556.84	1.64	My opponent will advance me!
561.4	563.8	2.4	Oh! What a so silly hit!
565.16	565.88	0.72	Oh!
568.36	569.76	1.4	What luck I had...
571.68	572.48	0.8	Come on! Come back
606.56	607.88	1.32	What wrong, dude!
610.16	611.92	1.76	Now I crash again...Damn!
612.44	613.16	0.72	Come back
634.84	636.88	2.04	Oh! What a so silly hit, dude!
643.2	644.76	1.56	Oh! I almost crashed!
647.84	652.04	4.2	Come on! Come on! He advanced me!!! Look him! Look him!
655.16	657.24	2.08	Damn...He will win me if he don't crash...
657.8	660.24	2.44	Oooh! He has win me narrowly...
662.24	663.08	0.84	Come back
687.6	689.56	1.96	What a hit I just receive, dude!
691.56	692.72	1.16	Concentrate! concentrate!
702.64	704.36	1.72	Ahora lo estoy haciendo bien
704.84	706.2	1.36	Now we understand, dude.
707	708.2	1.2	Aah! Come on!

709	709.88	0.88	I win
715.08	716.08	1	Come on Alonso...
724.44	725.88	1.44	I lack this stage
767.96	768.96	1	Oh! What have happened here?
780.84	782.52	1.68	Bloody hell! the fence, dude...
795.2	798	2.8	Oh no! I don't understand it, dude...
804	808.4	4.4	This things is distracting me...He has beaten me for very little!!
836.28	837.48	1.2	What a bit, dude!
844.08	846.24	2.16	I don't know how many laps are there, but I have already completed two laps.
855.36	856.72	1.36	Good! Give him a hit!
871.48	874.84	3.36	Ooh! He has beaten me for five seconds.
877	877.8	0.8	Come back
903.72	905.16	1.44	Come on! I'm doing well.
906.08	907.72	1.64	Come on! Come on! Let's go!
912.44	914.2	1.76	What a hit, dude!
916.64	918.24	1.6	Come on! Come on! Come on! Come on!
921.68	923.56	1.88	I think he is coming back of me...
925.76	926.92	1.16	Oh! I almost crash!
930.88	933.12	2.24	What's wrong? Don't speed this!
933.76	935.24	1.48	Bloody hell! He has advanced me!
938.16	941.16	3	Ahhh! Flanagan! another hit again...
944.96	946.68	1.72	He is very near of me, eh?
954.72	956.36	1.64	Oh...what a pity! dude...
957.12	959	1.88	I'm seven seconds behind him.



962.72	966	3.28	I have to make a good race now. Nooo! Without crashing, dude...
969.08	969.88	0.8	Already
972.2	973.6	1.4	This is very difficult, eh?
979.04	980.84	1.8	Especially this part is hard, dude...
981.04	983.96	2.92	Here he runs better than me.
986.4	987.44	1.04	Nooo!
987.84	989.04	1.2	Eight seconds... He wins.
1005.84	1012.24	6.4	Bloody hell! I have been hooked a finger on a lever of the joystick! This joystick don't work very well
1018.16	1019.8	1.64	Oh! I already can see him.
1024.72	1025.76	1.04	Alexis
1027.24	1029	1.76	Now we are going well, Flanagan.
1042.76	1044	1.24	Now I'm going well.
1051.84	1053.44	1.6	Ahh! I caught you...
1053.88	1057.2	3.32	If I am not crash, I will win this race, dude.
1058.08	1060.92	2.84	Now you'll see the way I crash...Shit!
1064.92	1066.04	1.12	Come on! I already catch him!
1067.72	1069.6	1.88	No!! you're such an oaf, dude!
1076.44	1078.48	2.04	Here I have to accelerate with the accelerator
1079	1080.72	1.72	And now I have accelerated
1083.28	1085.48	2.2	What's wrong? What have happened here?
1088.24	1089.08	0.84	I don't understand
1101.84	1103.64	1.8	Now I don't understand nothing
1111.8	1112.56	0.76	Let's see
1124.32	1126.76	2.44	Come on! Come on! We have done it!

1127.76	1128.76	1	Oh! Very well
1130.72	1132.2	1.48	Come on dude! Accelerate!
1132.6	1134.28	1.68	My car brakes itself, dude!
1136.48	1139.4	2.92	Of course...I have to release the finger and press again.
1141.12	1144.32	3.2	Come on dude! Accelerate! Now you have got to pass it!
1147.08	1149.84	2.76	Now you accelerate...We already have him behind
1152.04	1152.72	0.68	Ooh!
1159.88	1160.72	0.84	Ooh!
1168.4	1169.76	1.36	This time I'm going ahead.
1179.64	1180.32	0.68	Okey
1189.64	1190.4	0.76	Uff!
1195.96	1197	1.04	He is there!
1197.4	1198.68	1.28	Come on! This already is mine!
1199.56	1200.16	0.6	Uff!
1204.88	1207.6	2.72	Come on! Come on! Follow! Follow!
1208.32	1209.52	1.2	Already
1209.96	1210.68	0.72	Uff!
1211.48	1212.48	1	STOP!



*Ilustración 12. Alexis en estado "indefinido".*

## 6. CONCLUSIONES

La realización de este proyecto ha sido muy satisfactoria para mí ya que en primer lugar se me ha dado la oportunidad de observar las reacciones de la gente mientras juega a videojuegos por computador, una labor que me parecía muy interesante ya que ésta es una de las aficiones preferidas de los niños y jóvenes de hoy en día. En segundo lugar, he aprendido a manejar bien el programa ANVIL, que estoy seguro que tendrá mayor difusión en el futuro.

Los videojuegos presentan la posibilidad de poder poner a la gente en situaciones que probablemente nunca estarán o que no les gustaría estar y de esa forma poder cambiar la forma de verse a sí mismo y lo que les rodea. Lo único que exigen es un poco de imaginación.

Como hemos podido observar a lo largo de este proyecto, los videojuegos producen el total de las emociones que posee el ser humano y además un único videojuego puede conseguir que se sienta más de una emoción.

A lo largo de los videos analizados hemos podido ver como las personas pueden cambiar su estado emocional repentinamente mientras juegan a videojuegos. Pueden pasar de estar contentos a estar tristes y de ahí a relajados, de estar aburridos a estar enfadados, etc...

Según las estadísticas obtenidas, cabe hacer hincapié en que los juegos de simulación, en nuestro caso los de simulación de carreras de coches, son los que más cambios producen en las emociones de la gente, así como los juegos de acción son los que se pueden producir cambios más drásticos. Los juegos de estrategia son los que menos sacan a la luz las emociones de las personas mientras juegan, ya que las personas que juegan a estos tipos de juego se pasan la mayor parte del tiempo tienen que estar pensando en lo que tienen que hacer para seguir adelante en el juego.

Durante la realización del proyecto me encontré con muchos inconvenientes, la mayor parte de ellos relacionados con el software ANVIL. También tuve muchos problemas para entender la totalidad de las palabras pronunciadas por los protagonistas de los videos y para decantarme por un estado emocional correcto. Por lo que aunque este proyecto parezca fácil, fue muy costoso (cada vídeo me llevaba alrededor de dos semanas), lo que me llevo a tener que pasar los dos últimos meses trabajando muy duro a diario.

Para finalizar, espero que mi aportación a este proyecto de investigación que está realizando la Technische Universität Wien sea válida y que de mi trabajo se obtenga lo que se esperaba para la finalización de éste interesante y extenso proyecto.

## 7. REFERENCIAS

[1] Página oficial de ANVIL:

<<http://www.anvil-software.de/>>

[2] Manual de ANVIL:

<<http://www.dfki.de/~kipp/anvil2/doc/anvil40-manual.pdf>>

[3] Descarga del software ANVIL 4.7 (versión estable):

<<http://www.dfki.de/~kipp/anvil2/r47-0983/>>

[4] Descarga del software ANVIL 5.0 (versión beta):

<<http://www.dfki.de/~kipp/anvil2/r50-9982/>>

[5] Wikipedia y otras webs en la extensa red de internet para informarme sobre las emociones de la gente.

## 8. ANEXO 1: Instrucciones para la visualización de los videos.

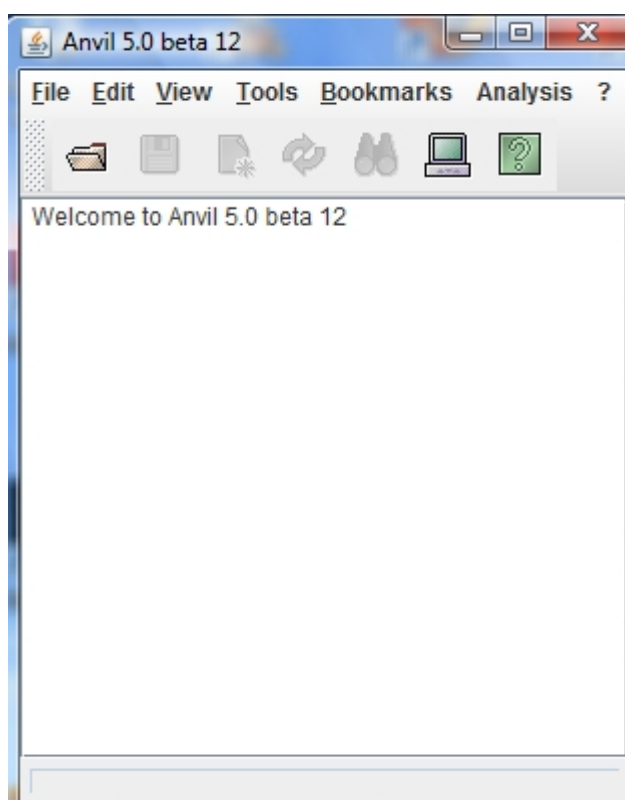
1. Instalar el software ANVIL, preferiblemente la versión 4.7, aunque posiblemente la versión 5.0 ya sea estable.

Versión 4.7: <http://www.dfki.de/~kipp/anvil2/r47-0983>

Versión 5.0: <http://www.dfki.de/~kipp/anvil2/r50-9982>

En las webs se nombra el software que hay que tener instalado previamente para el correcto funcionamiento de ANVIL, como Java o Java Media Framework.

2. Una vez instalado ANVIL, lo abrimos y nos saldrá una pantalla como esta:



*Ilustración 13. Pantalla inicial de ANVIL.*

Pulsamos en file - open y seleccionamos la ruta del video que queremos ver.

Los videos estan guardados en este CD, en la carpeta "videos/Playmancer\_Selection\_Translation". Aquí encontramos seis carpetas cuyo nombre es el de la persona que aparece en el video jugando a un videjuego por computador. Pulsamos sobre el nombre de la persona cuyo video queremos ver y seleccionamos la carpeta Feeltrace. Dentro de esta carpeta seleccionamos el archivo .anvil. Las terminaciones de los archivos significan lo siguiente:

G1: Videojuego de acción.

G2: Videojuego de estrategia.

G3: Videojuego de simulación de carreras de coches.

3. Una vez abierto el video, pulsamos sobre "play" y ya se puede visualizar el video totalmente analizado. En el siguiente enlace se muestra en modo de resumen la funcionalidad de cada parte del programa:

<http://www.dfki.de/~kipp/anvil2/doc/anvil36-quickref.pdf>