

Leveraging mobile network data to understand pandemic-era population human mobility

Aidan Condron

Central Statistics Office, Ireland.

Abstract

This paper discusses how datasets based on mobile phone usage were used to understand population mobility at aggregate levels during 2020-2021, the time of the global COVID-19 pandemic. The paper introduces the data, discussing security and privacy considerations, before presenting a web based dashboard style app, built with open source software, used to interact with and explore the data. A case study of how stadium events impacted on local and regional mobility is used to showcase the data, before concluding with reflections on opportunities and capabilities the data and software present for innovative national statistics.
