Online workshop: Using Crime Data in R – how to work with it, visualise and map it!

Zoom and Slack
10-12 February 2021 (10.00-14.45)

Description

This free three-day workshop, jointly organised by the UK Data Service, Methods@Manchester and the University of Leeds will introduce you to using crime data in the software package R. We provide an overview of the data available and lead you through several methods that you can use to access, analyse, and present crime data.

This workshop introduces key data about crime from several sources, including the UK Data Service, UK police force API and the 'crimedata' R package, and also gives some examples of how they have been used in research. The workshop combines lectures and practical sessions to ensure that participants gain hands-on experience of analysing secondary data using R.

During the workshop, participants will:
- learn about the UKDS collection of crime-related secondary data and how to access them
- learn how researchers have used crime data in their research
- gain practical experience of descriptive statistics and basic analyses of crime data using R
- visualise crime indicators and critically analyse them using R
- produce a map to display the spatial distribution of crime indicators using R

Speakers:
Dr Julia Kasmire, UK Data Service, University of Manchester (Day 1)
Dr Sarah King-Hele, UK Data Service, University of Manchester (Day 1)
Dr Sam Langton, University of Leeds (Days 2 and 3)

Level: Introductory (but some basic knowledge/experience required)

Experience/knowledge required: The workshop is aimed at beginners, but not ABSOLUTE beginners. This means that participants should have basic experience of quantitative analysis using a statistics package and/or a basic knowledge of R. If you are uncertain whether you have enough experience, we will provide resources for you to work through in advance to make sure that you can follow along during the workshop.

Target audience: This workshop is aimed at researchers, data analysts, PhD students and anyone who wants to learn more about what data are available for secondary analysis of crime and how to get started with data analysis using R.

Venue: This will be a virtual workshop conducted over Zoom during the times listed in the schedule. There will also be a Slack workspace created to accompany the workshop, which allows participants to post or share outside of the scheduled Zoom event. This means that participants will need to have access to a reliable internet connection to participate. You can join zoom be creating a zoom account or by following a link (no account needed) but you will need a slack account to participate in the discussions there. Both zoom and slack are free to sign up. Participants are encouraged to have their webcams and microphones turned on at specific points in the workshop but are not required to have them on at all times.