Plan Overview

A Data Management Plan created using DMPonline

Title: AI and Urban Planning

Creator:Saimun Habib

Principal Investigator: Fengxiang He, Saimun Habib

Affiliation: University of Edinburgh

Template: UoE Default DMP template for PGRs

ORCID iD: 0000-0001-5584-2385

ORCID iD: 0009-0003-3419-3226

Project abstract:

The goal of this project is to develop AI tools for visualizing causal knowledge about urban planning policies from text data, estimating the effects of policies on a variety of variables, and create tools for policymakers to ideate new policies in alignment with quantitative objectives and citizen expertise. In particular, the policy focus is the Low Emission Zones in Edinburgh.

ID: 171007

Start date: 05-09-2024

End date: 31-12-2027

Last modified: 03-03-2025

Copyright information:

The above plan creator(s) have agreed that others may use as much of the text of this plan as they would like in their own plans, and customise it as necessary. You do not need to credit the creator(s) as the source of the language used, but using any of the plan's text does not imply that the creator(s) endorse, or have any relationship to, your project or proposal

AI and Urban Planning

Administrative Information

1) School or Institute

School of Informatics

2) Name and Contact details of supervisor(s)

Saimun Habib - s.habib-1@sms.ed.ac.uk - 7399 649338
Fengxiang He - F.He@ed.ac.uk

3) Project start date

2024-09-05

4) Project end date

2028-12-31

Data Collection

5) Data Collection

Depersonalized and anonymized survey data from Edinburgh City Council will be requested through a Freedom of Information Request.
Public comments on Low Emission Zones collected by the Scottish government will also be downloaded.
Other tabular datasets will be from publicly available sources.

Documentation & Metadata

6) Documentation & Metadata

Metadata will include scripts used for processing raw data into a usable format for analysis. A data flow diagram will be created to show the flow of the data as it is being used and processed.

Ethics & Legal Compliance

7) Ethics & Legal Compliance

No sensitive data will be used. The data is secondary data collected by the City Council of Edinburgh and they have conducted

the neccessary procedures to distribute the data to the research team.

Storage and Back-Up

8) Where will your data be stored and backed-up during the project?

The data will be stored in the UoE's DataStore facility.
DataStore provides enterprise-class storage with guaranteed backup and resilience. Data is retained on DataStore until deletion by the data owner. The backups provide resilience in the case of accidental deletion and against incidents affecting the main DataStore storage. The data are automatically replicated to an off-site disaster recovery facility, with 10 days of file history visible online. Off-site tape backups keep 60 days of history of the filesystem. The 60 day rolling snapshots allow important data to be recovered to a prior state, by request if beyond the visible period.

Selection and Preservation

9) Where will the data be stored long-term?

Long terms storage of the output data will be on DataVault to promote open access research. The original raw data from City Council will be kept private on DataStore pending use agreements.

10) Which data will be retained long-term?

Any input data files will be stored long term. Intermediate data produced by transformations that can be easily replicated via scripts will not be stored.

Data Sharing

11) Will the data produced from your project be made open?

- Yes: go to 12

12) How will you maximize data discoverability & access?

We will use DataShare for sharing the publicly available data used in the study. For the survey data from Edinburgh City Council, individuals must request access for the data to use it for purposes outside of the scope of this study.

Responsibilities & Resources

14) Who will be responsible for the research data management of this project?

Saimun Habib

15) Will you require any training or resources to properly manage your research data throughout this project?

No