

LOS data capture NHS

Administrative Information

1) School or Institute

- CMVM - Usher Institute

Master's Data Science in Health and Social Care

2) Project start date

2022-05-30

3) Project end date

2022-07-04

4) Project funder or sponsor.

Nil.

Data Collection

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The data will be collected using an interactive tool developed in Python programming language from an existing artificial dataset LOS-model obtained from the NHSRdatasets package in R language.

Three variables of interest will be retained the Age, LOS (Length of Hospital Stay) and Outcome of hospitalization.

The collection tool won't allow any erroneous values to be collected for example characters instead of numbers.

Documentation & Metadata

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A comprehensive data dictionary is available in the collected dataset and further documentation will be available in the git hub repository.

The source code for data analysis and collection could be obtained via git hub repository containing all the syntax and it's documentation.

Ethics & Legal Compliance

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The data is artificially created for teaching and learning purposes thus there is no ethical or legal requirements.

Storage and Back-Up

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

The data will be stored in the University of Edinburgh servers generated via Noteable platform and also deposited in git hub for ease of sharing access.

The project has clear named folder structure dividing the components of this investigation from the raw data to the final output. In each folder the files will be named appropriately and backed up according to the University of Edinburgh policy.

Selection and Preservation

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

The data will be stored in the above mentioned locations for the duration of the project. Once the project is completed the data will be stored in the University of Edinburgh servers until it's destruction.

10) Which data will be retained long-term?

The scripts from Python and R programming languages will be retained as it could easily reproduce the entire project.

Data Sharing

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

- No: go to 13

13) Please explain why your data cannot be made open.

The data is obtained and used for learning purposes and to make it accessible to the entire community would need to be discussed with University of Edinburgh.

Responsibilities & Resources

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

The main responsible for the DMP document is B209510.

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

Information regarding data storage and destruction policy from University of Edinburgh will be necessary.