Project Description Outline

Names of group members

Jack Forrester;

Chris Allen;

Rob Rodden;

Sarah(Xi) Bonham-Yang

Roles & responsibilities of each member

**Everyone** worked on:

* Exploring cleaning and analysis datasets;
* Designing dashboard wireframe;
* Building Shiny App;

**Jack Forrester** worked on:

* Cleaning and analysing data relate to “Hospital beds occupancy”;
* Creating visualisations for beds occupancy;
* Building bed occupancy section into Shiny app

**Chris Allen** worked on

* Cleaning and analysing data relate to “A&E Waiting time” ;
* Creating visualisations for A&E waiting time and ….;
* Building basic stiction and health board input section into Shiny app;
* Building visualisations to Shiny dashboard

**Rob Rodden** worked on:

* Cleaning and analysing data relate to “SIMD”;
* Creating visualisations for SIMD;
* Building SIMD section into Shiny app

**Sarah(Xi) Bonham-Yang** worked on:

* Cleaning and analysing data relate to “specialty”;
* Creating visualisations for specialty;
* Building specialty section into Shiny app

Brief description of dashboard topic

Our dashboard contains :

* Health board user input
* Map of health boards
* Trends of hospital admissions before and during covid time
* Bar chart of top 5 biggest increase of specialty in selected health boards
* Changes of hospital admissions over different genders and age groups
* Changes of hospital admissions over different SIMD groups
* Hospital KPI (Waiting time and bed occupancy)

Our topic is

* COVID impact on hospital performance and on different groups of general population

The dashboard outlines our topic in terms of …

Stages of the project

* Planning & dashboard wireframe
* Git branching & version control
* Choosing datasets
* Data exploring, cleaning & analysis
* Drafting and choosing graphs to use
* Creating dashboard
* Presentation and report

Which tools were used in the project

* Zoom (daily stand-ups and occasional mob programming)
* Trello (planning & task allocation)
* Git/GitHub (collaboration & version control)
* Slack (collaboration & communication)

How did you gather and synthesise requirements for the project?

We synthesised the information given in the brief by …

We prioritised …

Motivations for using the data you have chosen

We used the dataset on … to answer … and because it was …

Data quality and potential bias, including a brief summary of data cleaning and transformations

According to the About tab on the dataset page/dedicated page online, the data quality …

The dataset may/may not be biased because …

To clean the datasets we …

How is the data stored and structured

[**Hint**: This page offers a good starting point for understanding the data structure: <https://guides.statistics.gov.scot/article/34-understanding-the-data-structure>]

The data is in the form of …

This means …

Benefits of storing the data like this are …

Ethical and legal considerations of the data

[**Hint:** this page contains information on the Open Government License which covers most datasets on statistics.gov.scot: <http://www.nationalarchives.gov.uk/doc/open-government-licence/version/3/>]

There are no/There may be ethical considerations, because …

The datasets are covered by the Open Government License, which means …