

Three Stages of reproducible workflow

Stage-1: Data Collection

This is the first stage if collecting the data from an existing souces from web harvesting.

Folder structure

```
| Frailty_project
| |--raw_data
| | |--raw_frailty.csv
| | |--README.txt
| |--cleaned_data
| |--results
| |--src
```

Stage-2: Data Processing and Cleaning

In this stage we clean the data that came from stage-1 like null values and we do filteration. After the cleaning of data we will save the new data file along with the raw data file.

Folder structure

```
| Frailty_project
| |--raw_data
| | |--raw_frailty.csv
| | |--README.txt
| |--cleaned_data
| | |--cleaned_frailty_data.csv
| |--results
| |--src
| | |--cleaned_data.ipynb
```

Stage-3: Data Analysis

This is the third stage. Here we apply the statistics for the cleaned data and perform the visualizations.

Folder structure

```
| Frailty_project
| |--raw_data
| | |--raw_frailty.csv
| | |--README.txt
| |--cleaned_data
| | |--cleaned_frailty_data.csv
| |--results
| | |--results.txt
| |--src
| | |--cleaned_data.ipynb
| | |--data_analysis.ipynb
```