

## 1. Aim:

- Work with Git
  - Set-up GitHub repository
- Clean the dataset
- Functional programming
- Follow Pandas best practices

## 2. Things to Do:

- Check data types of features
- Check validity of values for each feature
- Check accuracy of values for each feature (extreme values)
- Check for duplicates

## 3. Things Not to Do:

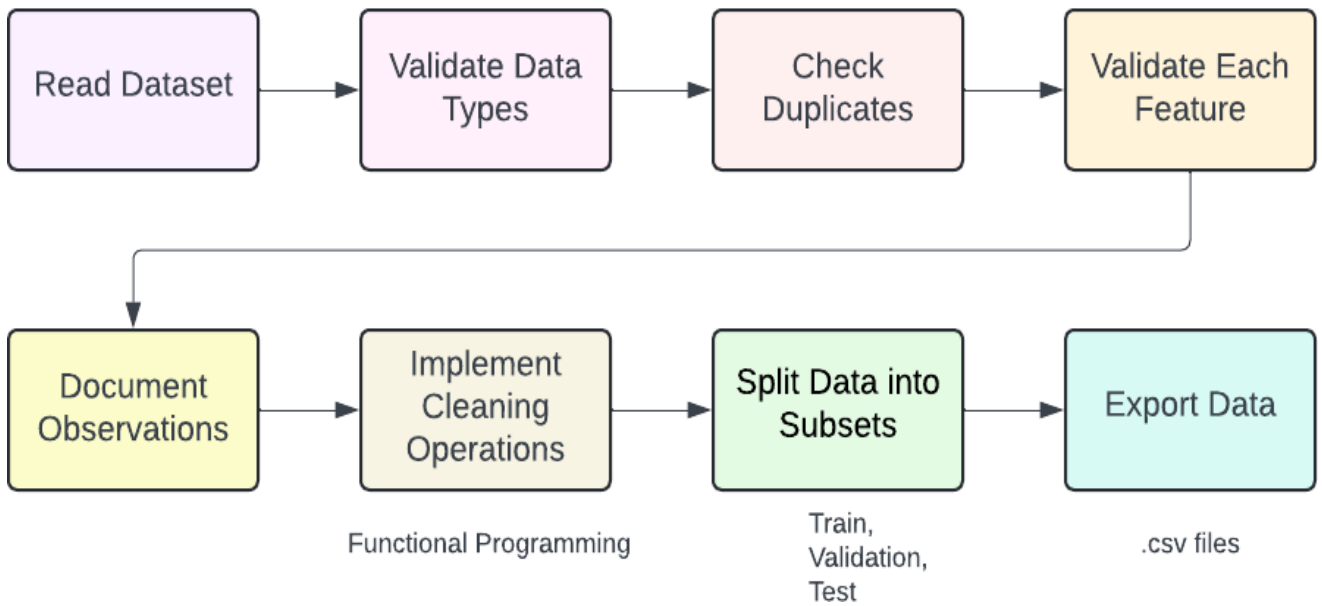
- Learn any patterns in the dataset
- Plots

## 4. Flow:

- Set-up GitHub repository
- Import libraries
- Read the dataset
- Preliminary Analysis:
  - Validate data types
  - Check for duplicates
- Detailed Analysis:
  - Check the validity and accuracy of each feature individually
- Document observations and changes to make
- Implement Data Cleaning function
- Split Cleaned Data into 3 subsets (X, y)
  - Train
  - Validation
  - Test
- Export subsets
  - Implement a function for exporting data

- Take  $X$  and  $y$  as parameters
- Join the objects and export as a .csv file
- Display data for completeness

## WORKFLOW



## 5. Resoues

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