Classwork-4

Descriptive + Visualization

1. A dataset ‘iris.csv’ has been shared. Import the dataset in your python platform as ‘iris’ and view first three rows

2. Rename ‘sepal.length’ as ‘SepalLength’ and ‘petal.length’ as ‘PetalLength’

3. Determine all the important descriptive statistics using the relevant command

4. Plot the following graphs for ‘SepalLength’ and ‘PetalLength’:

i. Histogram ii. Boxplot

Name the axis and graph suitably

5. Draw barplot for ‘variety’ using countplot from seaborn library

6. Apply ‘groupby’ command to ‘iris’ to group ‘variety’ on the basis of species and apply various descriptive statistics formula

7. Draw scatterplot between ‘SepalLength’ and ‘PetalLength’

8. Draw scatterplot between ‘SepalLength’ and ‘PetalLength’. Different ‘varieties’ should be coloured differently

9. Find a subset of ‘iris’ with the last variable ‘Virginica’ removed. Store this as ‘iris1’.

10. For ‘iris1’, draw scatterplot between ‘SepalLength’ and ‘PetalLength’. Different ‘varieties’ should be coloured differently.

11. Find a subset of ‘iris’ with last variable ‘variety’ removed/dropped. Store this as df2.