Assignment-2

1. Create a data in excel (csv file) with three variables; Name, Grade, and Gender. The number of rows should be five. Leave one of the entry in Grade blank. Name it ‘info’. Now read this csv file in python. Name the data in python as df

2. Create a data in excel (xlsx file) with three variables; Name, Grade, and Gender. The number of rows should be five. Leave one of the entry in Grade blank. Name it ‘info’. Now read this xlsx file in python. Name the data in python as df1

3. In python, add a column ‘family income’ to df1. Furthermore, add a row to it. What is the shape of df1?

4. print first three rows of df1

5. print last three rows of df1

6. Apply following commands to df1 and understand it’s significance:

i. describe, info, shape

7. Check df1 for missing values

8. Determine number of missing values column wise

9. write a code to access first column of df1

10. write a code to access first and second column of df1

11. write a code to access first row of df1

10. write a code to access first and second rows of df1

11. Remove all the missing values from df1 and store it in df2

12. Replace all the missing values in df1 by mean of the corresponding column.

13. Find a subset of df1 with Gender as Male

14. Find a subset of df1 having Gender as female and grade more than or equal to 7

15. Determine the mean (arithmetic) of the relevant columns of df1