

## Pandas Assignment

The assignment contains data of the obesity of patients in a hospital in the file obes-phys-acti-diet.xls. The first file consists of obesity count of males and females of patients during different years. The second file consists of age breakage of obesity count.

- 1. Write a Python program to read .xls file through Excelfiles.
- 2. Write a Python program to print sheet names present in the xls file
- 3. Write a Python program to create a list of six columns:
  - ◆ Year
  - ◆ Total
  - ◆ Males
  - ◆ Females
  - ◆ Nan
  - ◆ None
- 4. Write a python program to parse the data and read the six columns present in 7.1 sheet of data and skip first six rows and set skipfooter=14 and the column names as the list defined above. Assign the dataframe to data\_gender.
- 5. Write a python program to drop two columns NaN and None from the dataframe data\_gender .
- 6. Write a python program to print the dataframe data\_gender and remove NA values from it.
- 7. Write a python program to reset the index as year.
- 8. Write a python program to plot the data\_gender and observe the obesity curve.
- 9. Write a python program to read second sheet 7.2 as data\_age
- 10. Write a python program to rename the 'Unnamed' year column.
- 11. Write a python program to drop Unnamed:10 and Unnamed:11 attributes.
- 12. Write a python program to drop empties and set index as year.
- 13. Write a python program to plot all the ages
- 14. Write a python program to remove 'Total' attribute and plot all ages.
- 15. Write a python program to plot under 16 and 25-34 age data.