An insurance company in the US is reviewing its insurance claim/charges and trying to do a cause and effect analysis for future business decisions. It has collected data for its customers' age, gender, bmi, number of children/dependents, smoking habit, region they belong to, charges/bills claimed under the insurance.

Your tasks are as under:

1. Perform the basic Exploratory Data Analysis on the sample data. Identify the categorical

and continuous variables

2. Make Histograms and box plots for continuous variables, do a correlation analysis.

3. Make relevant Pivot tables and charts for :

1) Male/Female ratio and which gender has more smokers

2) Charges vs Age

3) Charges vs BMI

4) Charges for Smokers vs Non-smokers

5) Region-wise Smokers vs non-smokers analysis with one or more pivot table and charts

6) Region-wise charges for smokers vs non-smokers

7) Has charges got something to do with no. of dependents ?

8) Do a similar dependants-charges analysis, Region-wise