Assignment on Statistics

1. An Institution wishes to find out their student's ability in mathematics, reading and writing skills. The Institution wants to do an exploratory study to check the following information.

    a. Find out how many males and females participated in the test.

    b. What do you think about the students' parental level of education?

    c. Who scores the most on average for math, reading and writing based on
        i. Gender
        ii. Test preparation course

    d. What do you think about the scoring variation for math, reading and writing based on
        i. Gender
        ii. Test preparation course

    e. The management needs your help to give bonus points to the top 25% of students based on their math score, so how will you help the management to achieve this.

- *Please note the following:*
- *Dataset "Students_Performance.csv" is added along with*
- *Do the assignment in Jupyter notebook/colab*
- *Add the .ipynb file to GitHub and share the link in Paatshala*

Case Study on Testing of Hypothesis

2. A company started to invest in digital marketing as a new way of their product promotions. For that they collected data and decided to carry out a study on it.
   a. The company wishes to clarify whether there is any increase in sales after stepping into digital marketing.
   b. The company needs to check whether there is any dependency between the features "Region" and "Manager".

Help the company to carry out their study with the help of data provided.

- *Please note the following:*
- *Dataset "Sales_add.csv" is added along with*
- *Do the assignment in Jupyter notebook/colab*
- *Add the .ipynb file to GitHub and share the link in Paatshala*