**ASSIGNMENT 2 - Statistics**

**Questions To Add your Responses :**

1. Define and briefly elaborate Central Tendency using measures with examples?
2. What do you understand by the empirical rule of normal distribution?
3. Describe the Hypothesis Testing and why do we conduct it?
4. What is the difference between Type-I and Type-II error.
5. What are Confidence Interval, Significant Level and P-Value?
6. List the differences between Parametric and Non Parametric Tests
7. What is Central Limit Theorem
8. Find the probability of P(x<400) given that mean is = 1000 variance is =100
9. Provide a proper description as to when to apply z-test, t-test, Chi-Square and Annona, with examples.
10. Explain the Bayes Theorem using an example.

**Explain the questions and problems in your approach while solving them. No copy paste allowed. Description of the outcome is really important to get an understanding better.**