# Assignment – Unit 2 – Statistical Analysis

Answer the following questions:

1. What is a box plot? List its key components.
2. Define correlation and regression analysis. How are they different?
3. Explain the importance of data cleaning and imputation techniques.
4. Briefly describe ANOVA and the Chi‑Square test.
5. Explain what a scatter diagram is and how it aids in regression analysis.
6. Describe the concept of hypothesis testing, including null and alternative hypotheses.