

# DATA ANALYTICS ASSIGNMENT QUESTIONS

## DAY - 3:

**1.Explain the concept of imputation in data analysis. Provide three common techniques used for imputing missing values in a dataset and discuss the advantages and disadvantages of each.**

**2.Discuss the significance of data cleaning in the data analysis process. Identify three common issues in a dataset that require data cleaning and explain how each issue can impact the results of statistical analysis.**

**3.Compare and contrast correlation and regression. Provide an example scenario where correlation is more appropriate for analysis, and another scenario where regression is better suited.**

**4.In a deck of 52 playing cards, what is the probability of drawing a red card or a face card?**

- a)  $\frac{1}{2}$
- b)  $\frac{2}{5}$
- c)  $\frac{2}{5}$
- d)  $\frac{1}{5}$