

DATA SCIENCE ASSIGNMENT

Day - 22:

1. What is the primary objective of ANOVA in statistical analysis?

2. When would you typically use a Chi-square test in a data analysis scenario?

3. In a research study involving three different teaching methods (A, B, and C), which statistical test would be appropriate to determine if there is a significant difference in the academic performance of students?

4. How do you perform a one-way ANOVA using the `scipy.stats` library in Python?

5. Write a Python function to perform a two-way ANOVA using the `statsmodels` library.

