**5 Problem Statement for ANOVA:**

1. Investigate whether there are significant differences in the average sales performance among different regions of a retail company.
2. Determine if there are variations in the effectiveness of three different teaching methods on student performance in mathematics.
3. Assess whether there are differences in customers satisfaction levels across various service departments in a hospitality industry setting.
4. Examine whether there are significant discrepancies in the average response times to customer inquiries among different support teams within a tech company.
5. Analize if there are disparities in the mean scores of patients pain levels after receiving three different types of treatment for a specific medical condition.