**Task 1: Loading and Inspecting the Dataset**

* Question: Load the dataset into Python and inspect the first 5 rows. What do you observe about the structure and types of data in the dataset?
* Question: Check for any missing values in the dataset. If found, suggest how you would handle them.

**Task 2: Data Visualization**

* Question: Plot the distribution of child mortality rates across different regions. What can you infer from this visual?
* Question: Create a scatter plot to explore the relationship between Healthcare Spending (USD) and Mortality Rate. What does the scatter plot suggest about the relationship between these two variables?

**Task 3: Hypothesis Testing**

T-test

* Question: Perform a T-test to compare child mortality rates between Region 1 and Region 3. State your null and alternative hypotheses, and interpret the result.

Chi-Square Test

* Question: Perform a Chi-square test to check if there is a relationship between the Region and whether a country has a high or low child mortality rate (above or below the median mortality rate). State your null and alternative hypotheses, and interpret the result.

ANOVA (Analysis of Variance)

* Question: Perform an ANOVA to check if there is a significant difference in child mortality rates between the four regions. What are your hypotheses, and how would you interpret the results?

**Task 4: Correlation**

Pearson Correlation

* Question: Calculate the Pearson correlation between Healthcare Spending (USD) and Mortality Rate. What does the result tell you about their relationship?

Spearman Correlation

* Question: Calculate the Spearman correlation between child mortality rate and access to clean water. How does this correlation compare to the Pearson correlation between mortality and healthcare spending?

**Task 5: Conclusion**