**Part IX: Chapter 10: Linear Regression Relationships**

**Task 1:**

* **Create a scatterplot for infant deaths per 1000 live births versus obesity rate. Insert that scatterplot here then perform a linear regression test on the data.**
* **Report the correlation coefficient, critical values, and write the equation for the linear relationship.**
* **Determine if there is a valid linear relationship.**

**Task 2: If you did determine that there is a valid linear relationship between infant deaths per 1000 live births versus obesity rate, can you offer an explanation for why this might occur?**

**Task 3:**

* **Create a scatterplot for hospital beds per 100,000 versus life expectancy. Insert that scatterplot here then perform a linear regression test on the data.**
* **Report the correlation coefficient, critical values, and write the equation for the linear relationship.**
* **Determine if there is a valid linear relationship.**

**Task 4: Which of the linear correlations is the most reliable? Explain how you came to your conclusion.**