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

**Task 1: In a previous task, you created a scatterplot for age versus FEV which suggested a linear relationship. Perform a linear regression test on the data for age and FEV. Determine if there is a valid linear relationship. Write the equation for the linear relationship if it is valid. Predict the FEV for a person aged 12 years, 8 months.**

**Task 2: Create a scatterplot for height versus FEV. Perform a linear regression test on the data for height and FEV. Determine if there is a valid linear relationship. Write the equation for the linear relationship if it is valid. Predict the FEV for a person who is 66 inches tall.**

**Task 3: Which of these relationships is the stronger linear predictor? Explain why in at least 2 sentences.**