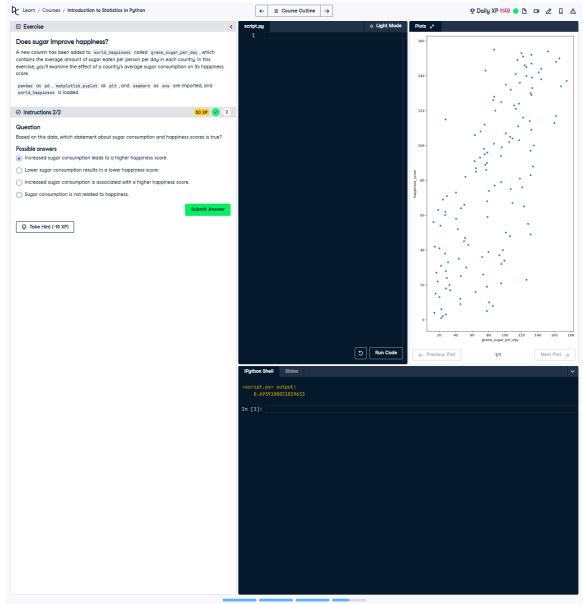
Does Sugar Improve Happiness? Correlation Analysis



Question:

Based on this data, which statement about sugar consumption and happiness score is true? Select the correct explanation based on the scatterplot and correlation coefficient.

Explanation of the Question:

This question asks you to interpret the relationship between sugar consumption (`grams sugar per day`) and happiness score. The scatterplot

and correlation coefficient provide evidence for this relationship. A higher correlation suggests a stronger linear association.

Answer:

Correct Answer: Increased sugar consumption is associated with a higher happiness score.

Explanation:

The scatterplot shows a positive trend between `grams_sugar_per_day` and `happiness_score`. The computed correlation coefficient of 0.69 confirms a moderate positive linear association, indicating that countries with higher average sugar consumption tend to have higher happiness scores.