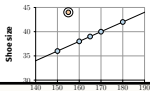


Build Tasks

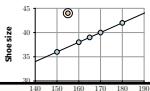


Judge relationship strength, then quantify an outlier's gap from the line of best fit.

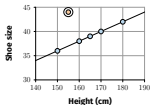
1. Judge the strength (weak/moderate/strong) of this relationship, ignoring the outlier.



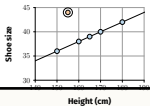
2. Identify the outlier's coordinates. By how much does it exceed the line's prediction at that height?



3. Predict the shoe size at 175 cm. Is this interpolation or extrapolation?



4. Predict the shoe size at 195 cm. Why might this prediction be unreliable?

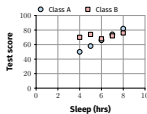


Build Tasks

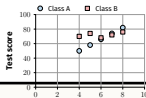


Compare two keyed groups on one scatter plot.

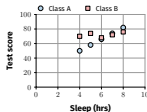
5. What does the key tell you about the grouping shown here?



6. Which class shows the stronger association between sleep and score? Justify your answer.



7. Estimate Class A's test score for 6.5 hours of sleep, using their trend.



8. Explain why one combined line of best fit through both classes would be misleading.

