READY

Topic: Estimating the line of best fit

Examine the scatterplot below. Imagine that you drew a straight line through the general pattern of the points, keeping as close as possible to all points with as many points above the line as below.

1. Predict a possible y-intercept and Scatterplot for quality characteristic XXX slope for the line you imagined. 102 a. y-intercept: _____ 10 b. slope: Quality characteristic XXX 贸 2. Sketch the line that you imagined 98 for question #1 and write an equation for that line. 94 n 5 10 15 20 Process input

© 2012 http://en.wikipedia.org/wiki/File:Scatter_diagram_for_quality_characteristic_XXX.svg

SET

Topic: Estimating the correlation coefficient

Match the following scatterplots with the correct correlation coefficient.

Possible correlation coefficients:

| a. 0.05 | b. 0.97 | c0.94 | d0.49 | e. 0.68 | f0.25 |
|---------|---------|-----------------|-------|---------|-------|
| | 5. 0.77 | e . 0.77 | 0 | 0.000 | |

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GO

Topic: Visually comparing slopes of lines.

Follow the prompt to sketch the graph of a line on the same grid with the given characteristics.

8. A greater slope



9. A lesser slope



10. A larger y-intercept and a lesser slope



11. Slope is the opposite reciprocal.



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