**Scatterplots and Lines of Best Fit**

What is a scatterplot? \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

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What is a line of best fit? \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

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What is the value in creating a scatterplot and a line of best fit? \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

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What do you learn from this scatterplot?

Draw a line of best fit?

What would you expect to be the price of a 0.22

carat diamond?



What do you learn from this scatterplot?

Draw a line of best fit?

How many incorrect notes would you expect to make

if you practiced for 2.5 hours?



What do you learn from this scatterplot?

Draw a line of best fit?

How old would you expect the wife to be of a husband who is 75 years old?



What do you learn from this scatterplot?

Draw a line of best fit?

What percentage of people earning $40 000

would you expect to own a car?



What do you learn from this scatterplot?

Draw a line of best fit?

How many typos would you expect to find in a book with

11 chapters?



What do you learn from this scatterplot?

Draw a line of best fit?

How many heart disease deaths would you expect to find

in the group of people who consume 5 glasses of wine

a week?



What do you learn from this scatterplot?

Draw a line of best fit?

How many hours would you expect someone

to exercise if they had owned their machine

for 2.5 years?