

✓ **Congratulations! You passed!**

Grade received **100%** To pass 80% or higher

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1.

We have a chart where the data approximately follows a straight line, which trendline would be the best fit?

1 / 1 point

- ☐ Logarithmic
- ☐ Power
- ☒ Linear
- ☐ Exponential

✓ **Correct**

Great! A linear trend is good if our data is following an approximately straight line.

2.

A graph shows a dramatic increase in sales for the first year followed by a steady levelling off in subsequent years. Which trendline would be the best fit?

1 / 1 point

- ☐ Linear
- ☐ Power
- ☐ Exponential
- ☒ Logarithmic

✓ **Correct**

Great! A logarithmic trend is good if our data is increasing at a decreasing rate.

3. Of the values below, which R-squared value suggests the best fit?

1 / 1 point

- ☐ 1.980
- ☒ 0.981
- ☐ 0.198

✓ **Correct**

This is quite close to 1 and suggests a fairly good fit.

4. Another challenge for you to solve in Excel. Type in the data and create a line chart for Revenues - then solve this question: What is the R-squared value of a linear trendline?

1 / 1 point

	A	B	C	D	E
1		Cars Sales	Bike Sales	Revenues	
2	January	73	43	2620000	
3	February	56	54	2220000	
4	March	87	77	3380000	
5					

- ☐ 1.0000

☒ 0.4159

☐ 0.0000

☐ 0.3617

✓ **Correct**

Great! You successfully created a linear trendline and obtained the correct R-squared value.

5. Another challenge building on the data we got you to type into Excel for the previous question. Create a line chart for Revenues - then solve this question. What is the R-squared value when creating an exponential trendline?

1 / 1 point

	A	B	C	D	E
1		Cars Sales	Bike Sales	Revenues	
2	January	73	43	2620000	
3	February	56	54	2220000	
4	March	87	77	3380000	
5					

☐ 1.0000

☒ 0.3617

☐ 0.4159

☐ 0.0000

✓ **Correct**

Great! You successfully created an exponential trendline and obtained the correct R-squared value.