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**Chapter 5**

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Remember, changes to question templates won't automatically update quizzes that are already using those questions.

**Ethics: Misleading Graphs 1 pts**

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This post is not anonymous. The professor and participants can see the responses and the author.

For this ethics discussion post, I would like you to consider misleading graphs. Do you think they are a big problem or do you think it is up to people to be smarter and more critical about reading graphs? If a future boss of yours asked you to "change the axes" to make the data look better for a presentation, would you? Is there a specific instance or case where you would draw the line and refuse?

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**Personal Reflection - Chapter 5 1 pts**

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What do you think about the content of this chapter? Did you learn anything new? Do you need to do some more practice? What do you think about the other chart types (that I said were garbage)? Do you agree / disagree? Do some personal reflection.

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**Question 5.1: A similar experiment 1 pts**

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Consider running the same experiment with a spring described above, except with two springs. You create the following graph. What is missing from the graph according to the graphing guidelines above?

Chart, scatter chart

Description automatically generated

A: Legend

**Correct Answer** B: Axes Labels

C: Different colors for data sets

D: Title

**Correct answer comments**

I hope this was an easy one for ya!

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**Question 5.2: Select all the appropriate chart types 1 pts**

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For this question, select all of the trash chart types. Yes Excel actually has THIS many trash options and this isn't even comprehensive! It is truly baffling.

**Correct Answer** Pie Chart

**Correct Answer** Line Chart

Scatter Plot

**Correct Answer** 3D Area Plot

**Correct Answer** 3D Column Chart

Column Chart

**Correct Answer** Bar Chart

**Correct Answer** 3D Bar Chart

**Correct Answer** 3D Pie Chart

**Correct answer comments**

Good, now never use any of those abominations.

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**Question 5.3: Where is the "Add Chart Elements" menu? 1 pts**

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Look at the following screenshot. You should notice that the main ribbon does not have the "Chart Tools" section which we would need to access the "Add Chart Elements" menu to add items such as a legend or grid lines. Why is this ribbon item missing?

Graphical user interface, chart, application, table, Excel, waterfall chart

Description automatically generated

A: There is no such ribbon item as described.

B: The menu in question is under the "Insert" tab on the ribbon.

**Correct Answer** C: The chart needs to be selected by clicking on it.

**Correct answer comments**

I know this might seem easy, but students forget it all the time!

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**Question 5.4: How do I move the legend?1 pts**

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Consider the following screenshot. If I wanted to move the legend on the chart to the bottom of the chart, where would you FIRST need to click?

Graphical user interface, chart, application, table, Excel

Description automatically generated

**Correct Answer**

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**Request for Feedback - Chapter 5 1 pts**

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What did you think of this chapter? Anything stand out as exceptionally good? Anything that you would like to see differently? Any feedback is appreciated.

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