Improving the Visuals - Quiz

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Question 1

1/1 point (graded)

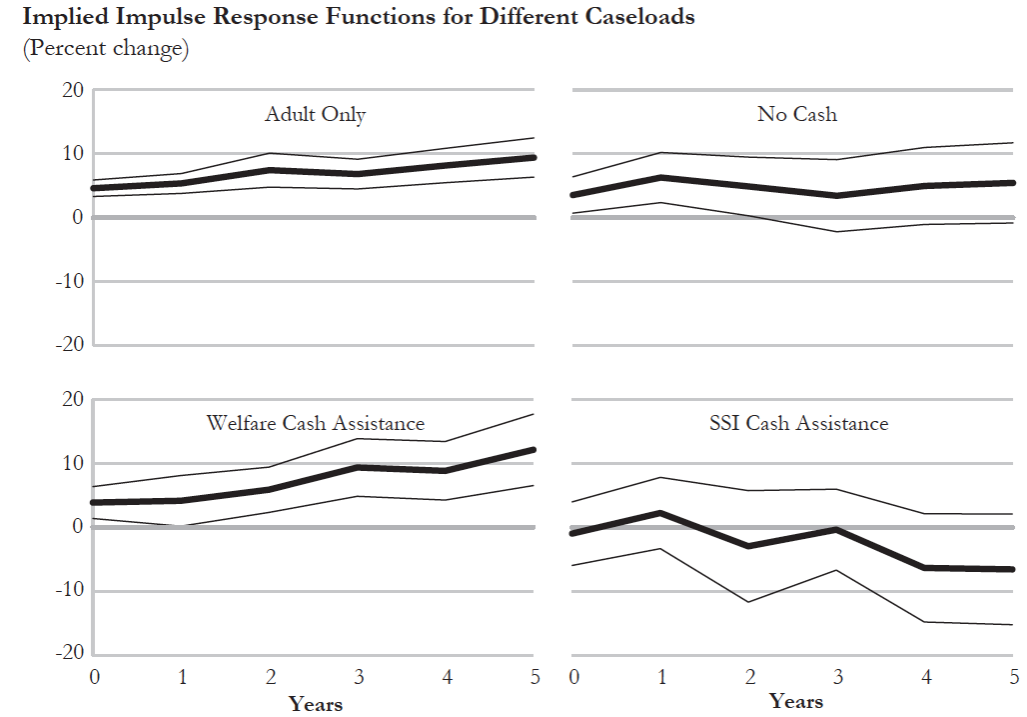
True or False: When presenting a chart showing the coefficients from data analysis, you never want to include the standard errors, since they make the graph too cluttered and do not provide any additional valuable information.

- a. True
- b. False ✔

Explanation

This statement is false. When presenting coefficients, such as the below example from class taken from Schwabish (2014), it is important to also show the standard errors in order to provide your reader with sense of the potential range of trend lines. However, to put less emphasis on the standard errors, you can make them either a lighter color or a dashed line.

Figure 1B
A Revised Line Chart



Submit You have used 1 of 1 attempt

✔ Correct (1/1 point)

Question 2

1/1 point (graded)

We have now finished going through the Tufte principles. Based on these past few segments, which of the following are considered Tufte principles? (Select all that apply)

- [x] a. Reduce non-data ink in order to maximize data-ink ratio
- [ ] b. All principles should be strictly followed at all times
- [x] c. Continuously revise and edit your graphs
- [x] d. Maximize the amount of data

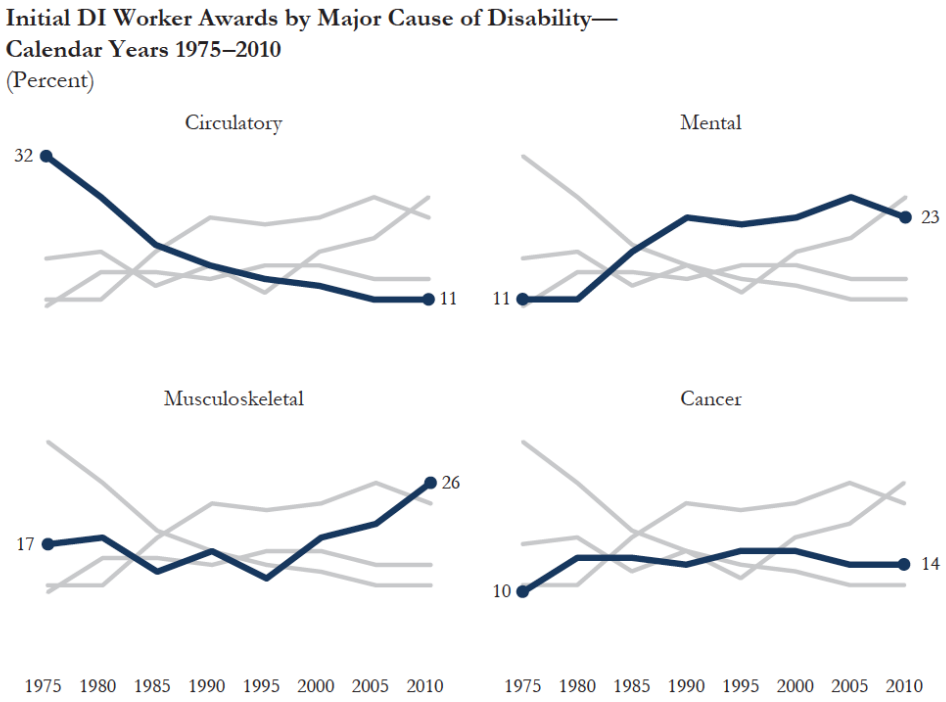
✔

Explanation

A, C, and D have each been discussed in detail over the last several lecture segments. While one should try to apply to Tufte principles when possible, there are times when not strictly adhering to the Tufte's principles allow for a clearer presentation of the results. For instance, while the example below introduces redundancy, it also allows for easy interpretation of each of the trend lines.

Figure 6B

Revising the Spaghetti Chart



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Discussion

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