Principles of Data Visualization - Quiz

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Question 1

1/1 point (graded)

True or False: Taken together, Tufte's principles argue for graphs that have only the minimal amount of data needed to convey one's point and as little non-data ink as possible

- a. True
- b. False ✔

Explanation

While it is true that Tufte's principles say that you should erase as much as the non-data ink as possible (e.g. grid lines, repetitive labels, etc.), Tufte also argues that you should try to increase the density of data ink, meaning that charts and graphs should include lots and lots of information.

Submit You have used 1 of 1 attempt

✔ Correct (1/1 point)

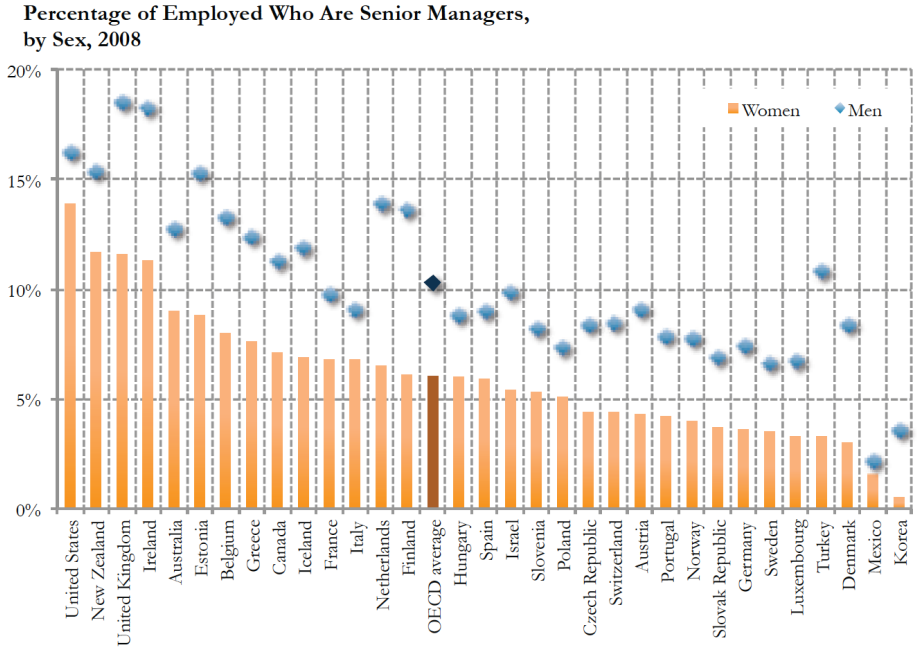
Question 2

1/1 point (graded)

Using Tufte's principles the following data visualization take from Schwabish (2014) could be improved by doing the following:

Figure 5A

An Unbalanced Chart



Source: Author, based on OECD (no date) and Rampell (2013).

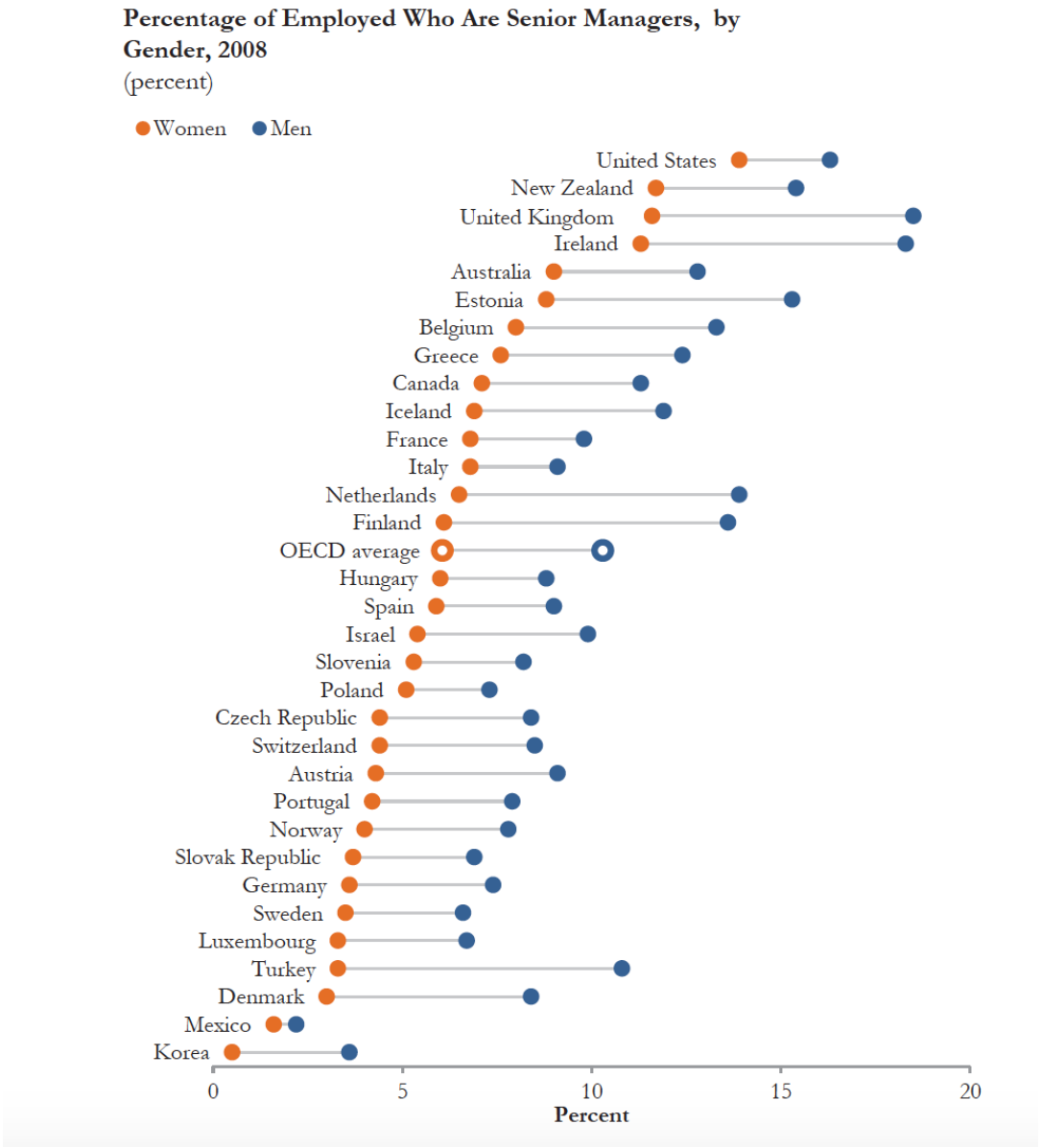
- [x] a. Making the data horizontal
- [x] b. Removing gridlines
- [ ] c. Abbreviating names of countries
- [x] d. Removing percentage signs

✔

Explanation
Since your readers may not be familiar with the common abbreviations of countries, changing the names to abbreviations would result in the graph not being self-explanatory. The percentage signs are redundant since we already specified we are talking about percentages in the title and this increases the data to ink ratio and they could be removed, gridlines could also be removed in this example. Finally making data horizontal can help make the graph easier for a reader. An improved version (also from Schwabish (2014)) is presented below.

Figure 5B

Revising the Unbalanced Chart



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