

Assignment 1

Continuing with the theme of our class lecture on data visualization, your assignment is to find and comprehensively analyze five different graphs, providing a few sentences of analysis for each. Please upload a single PDF file containing your work to Canvas before the deadline.

Among the five graphs, one of the graphical representations should be a ‘good’ graph with proper data visualization, and one should be a ‘bad’ graph with bad/misleading data visualization.

These are the following points that you might consider in your analysis, whenever applicable.

- What was the variable type studied?
- Did the author use a proper graphical representation (line graph, bar graph, pie chart, or others)?
- Are the axes calibrated properly?
- Does the graph mention the source of the data?
- What critical questions does the graph/trend of data represent, and do they align with your preconceived notions on that subject?
- Do you have any recommendations or suggestions for the author on how to present the information more effectively?
- Are there any potential sources of bias in the data?
- What inferences can you make from the graph?