

WORKSHOP: HOW TO DRAW AND RECOGNIZE MISLEADING GRAPHS

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Graphs are great tools for data visualization and exploration. At the same time, graphs can be drawn in such a way that they are deceptive, confusing or misleading. How do we draw or recognize misleading graphs? The purpose of this workshop is to demonstrate some of the ways misleading graphs can be drawn. The examples are not exhaustive, as it is difficult to anticipate the different ways one can use available technology to construct deceptive graphs. The hope is that these examples will open your eyes and those of your students to the fact that a graph in front of you might not accurately depict the situation under which the data were collected.