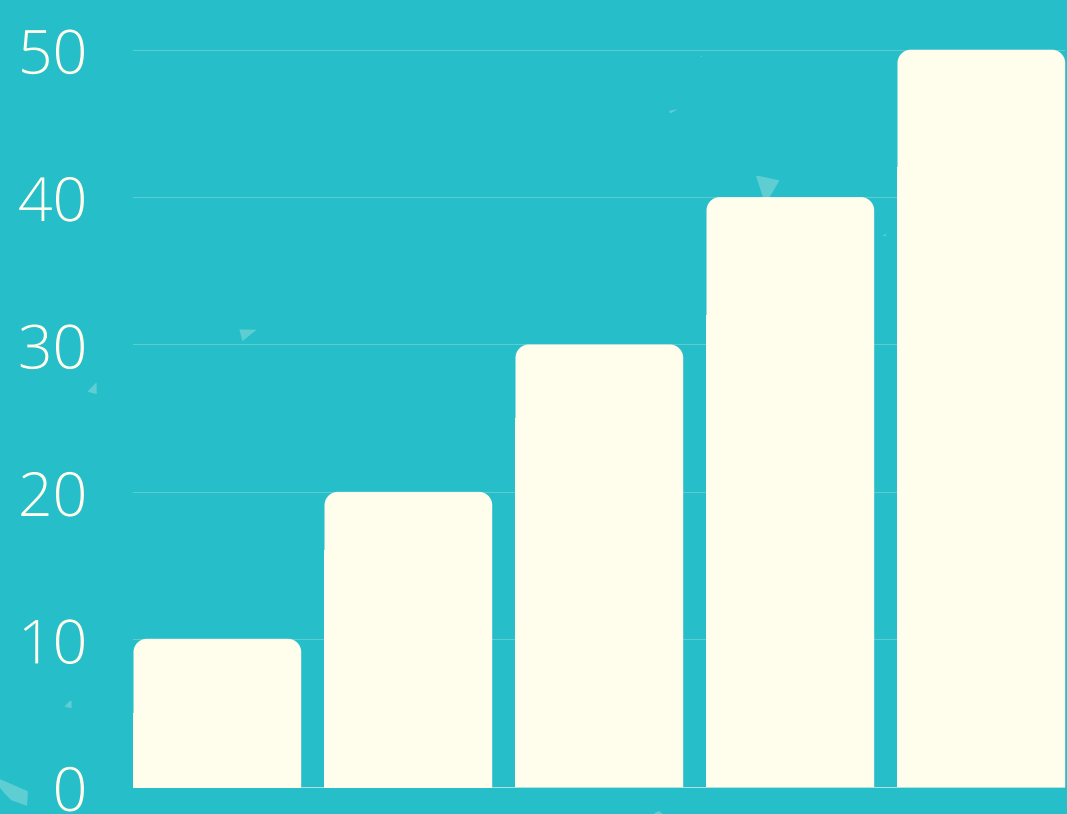# HISTOGRAM ANALYSIS

Histograms are graphs that display the distribution of your continuous data. They are fantastic exploratory tools because they reveal properties about your sample data in ways that summary statistics cannot. A frequency distribution shows how often each different value in a set of data occurs...

This helpful data collection and analysis tool is considered one of the seven basic quality tools.

Histograms are useful exploratory data visualizations for spotting outliers, skew, bimodality, and other shape features in the distribution as well as for comparing subgroups in the data. The presence of strong skewness or outliers should lead researchers to investigate the use of median. They are a quick and indispensable tool to help researchers catch potential problems in the data and reveal interesting features.