How to Choose a Chart

A Statistically Informed Visual Guide

Continuous
- histogram
- density
- barchart of mean
- dotplot

Continuous by Categorical
- histogram by group
- density by group
- barchart of mean by group
- dotplot by group

Categorical
- bar chart
- horizontal bar chart
- pie chart
- categorical doughnut chart

Categorical by Categorical
- bar chart by group
- horizontal bar chart by group
- pie chart by group
- doughnut chart by group

Continuous by Continuous
- scatterplot
- scatterplot with fit line
- contour plot
- scatterplot with smoother