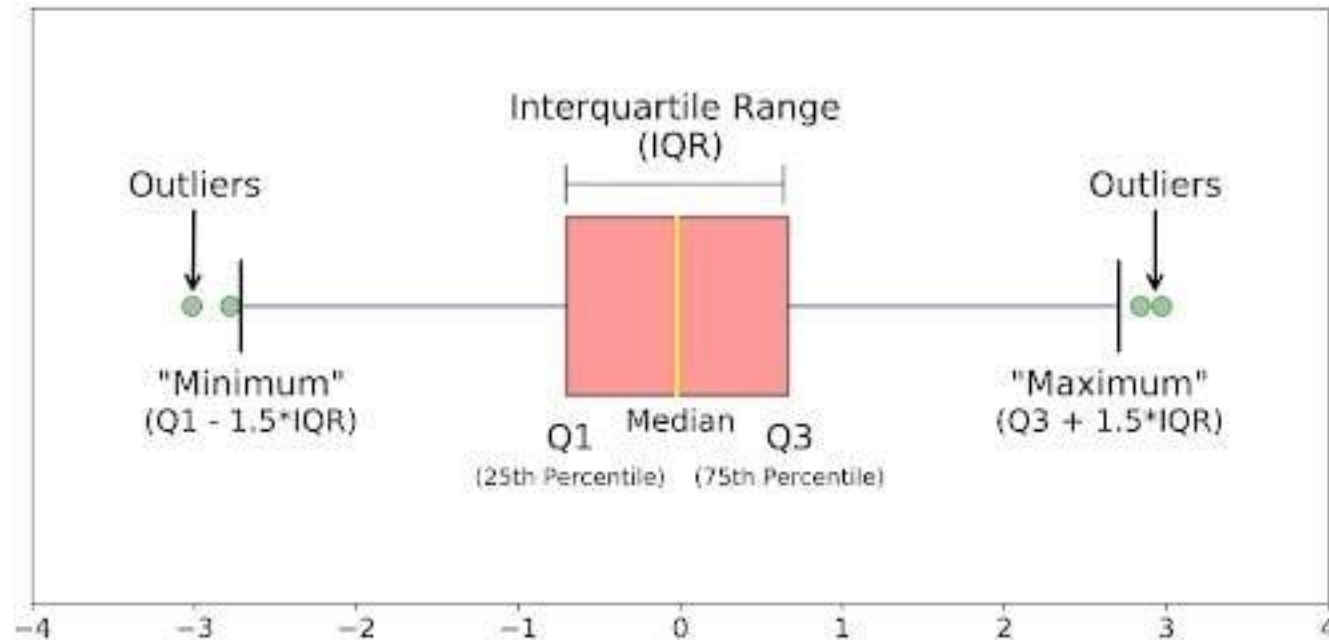


Визуализация данных



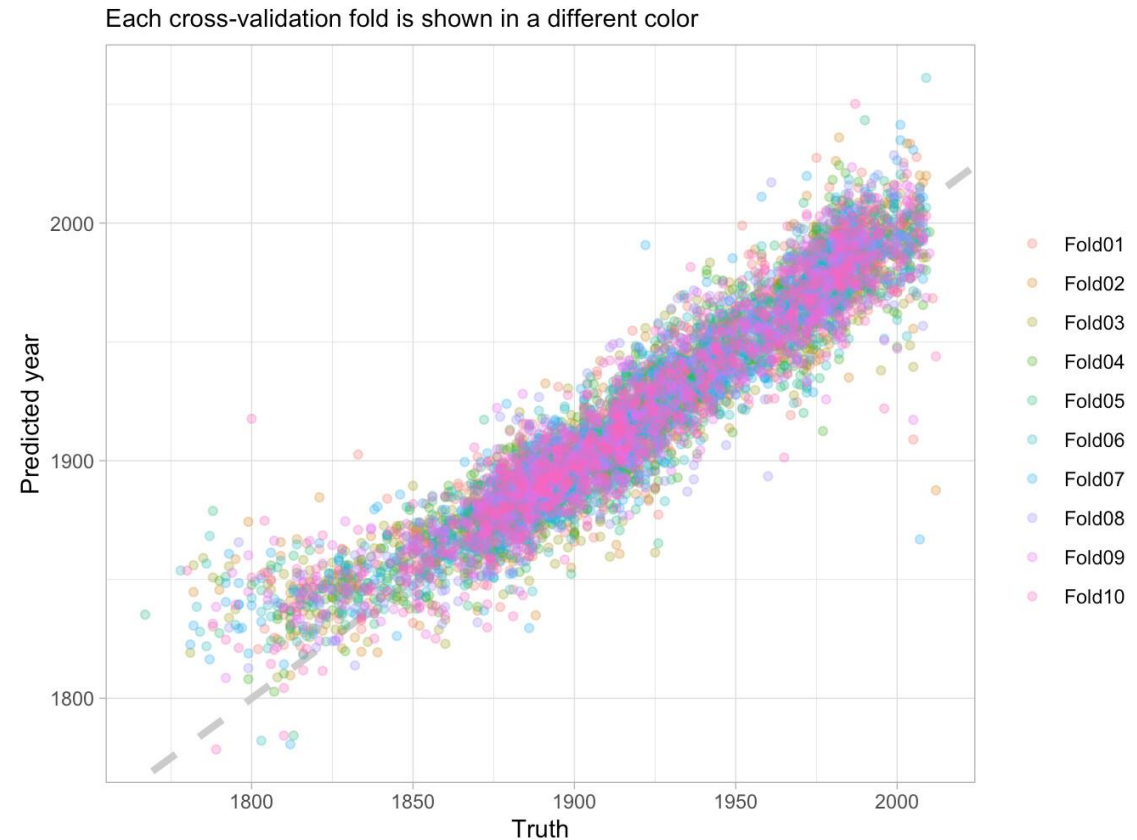
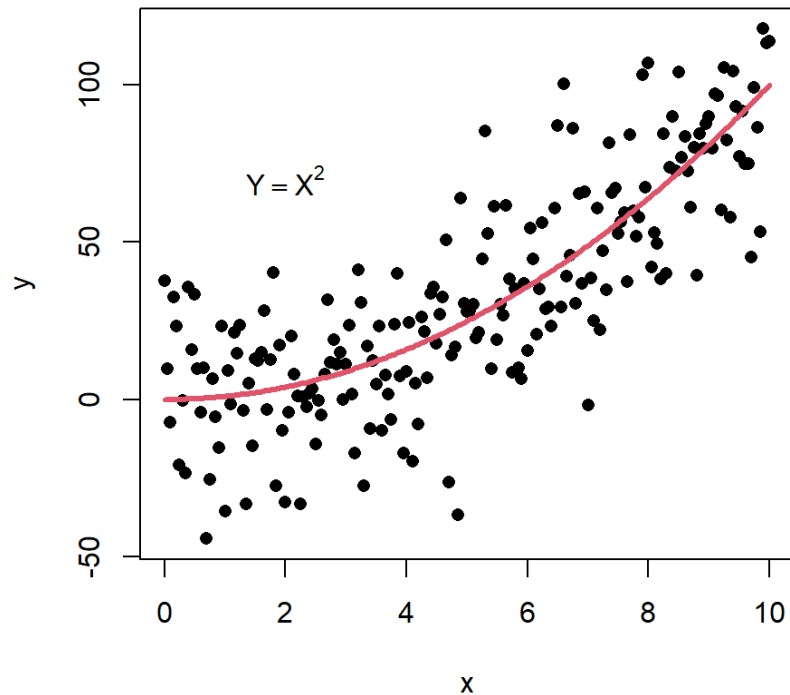
Виды графиков

- Boxplot / Ящик с усами



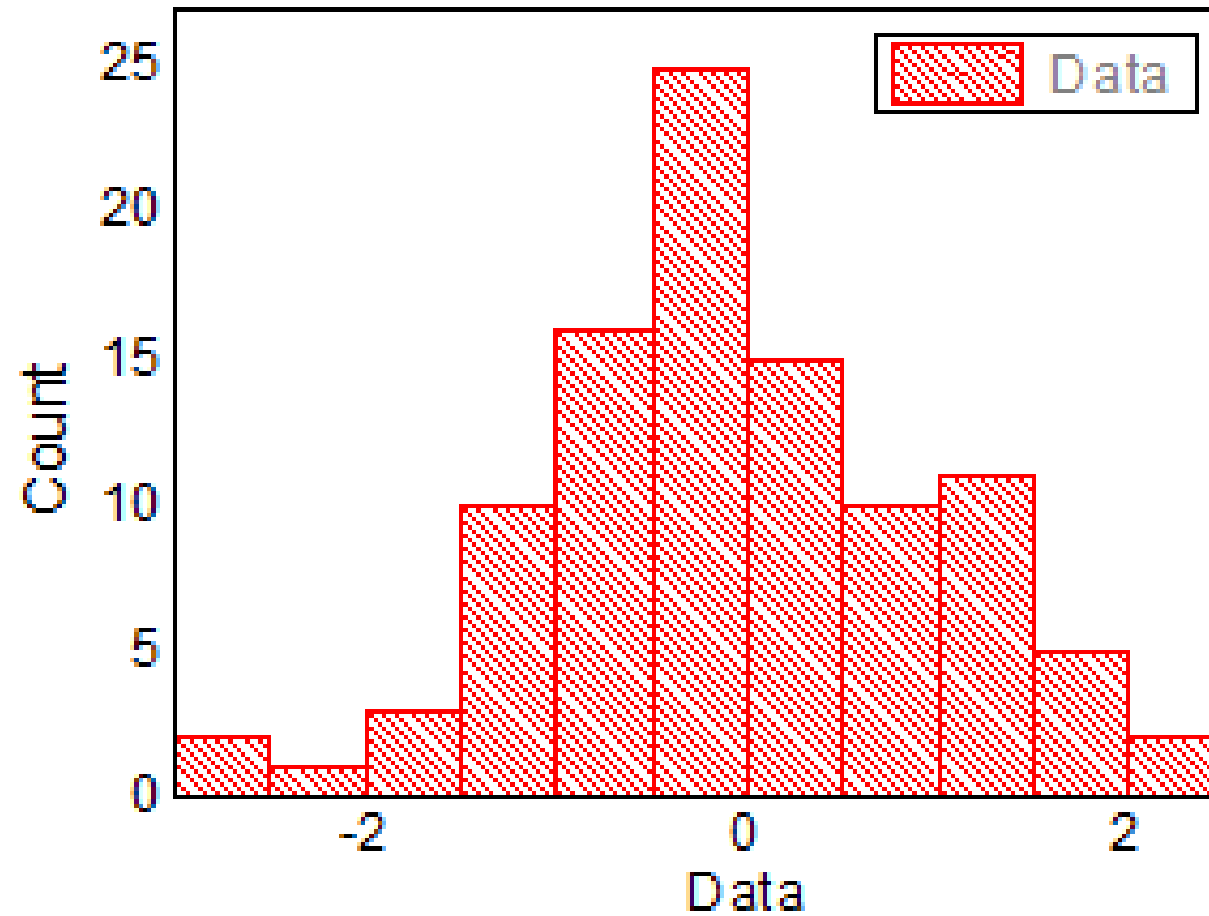
Виды графиков

- Point plot / scatter plot / график рассеяния



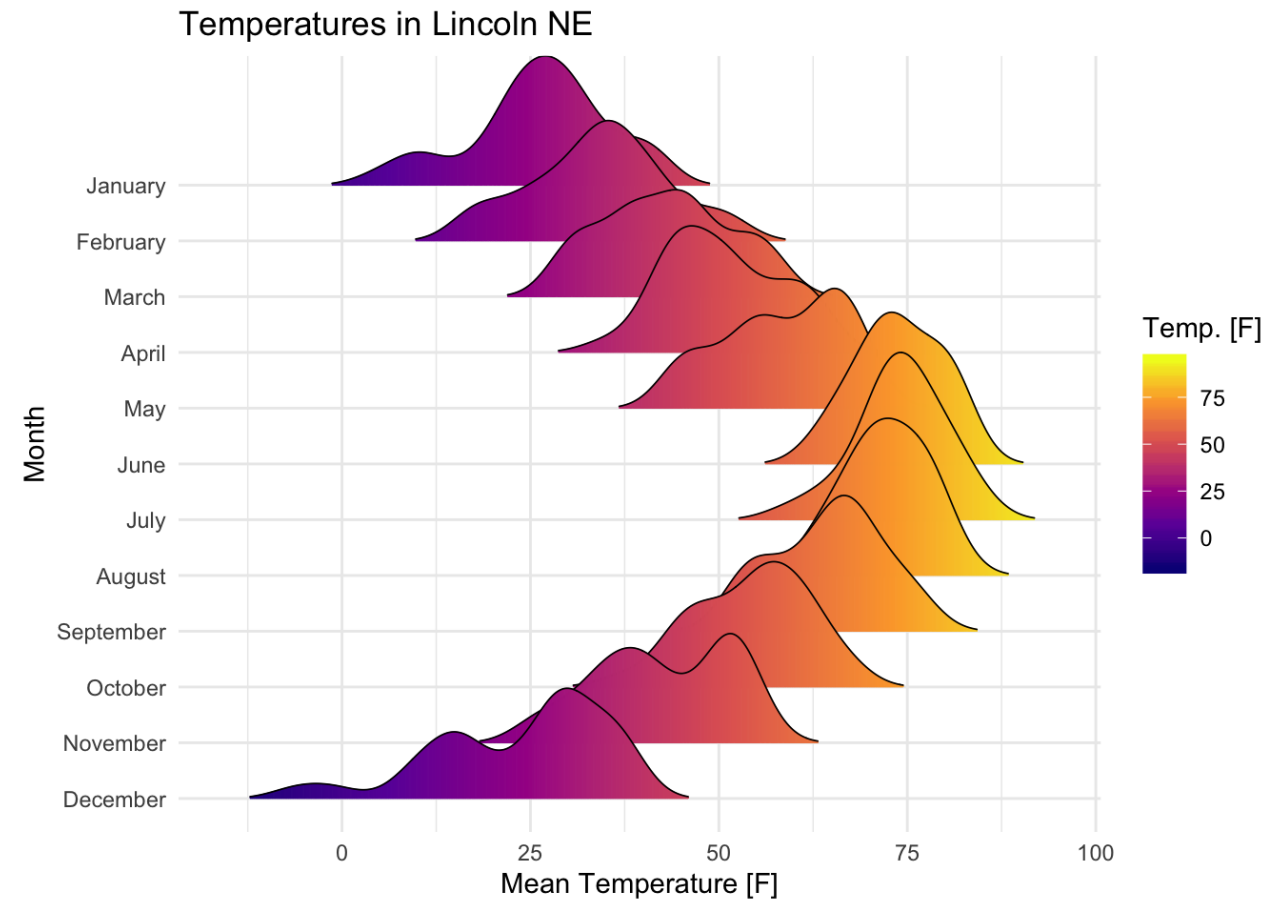
Виды графиков

- Гистограмма



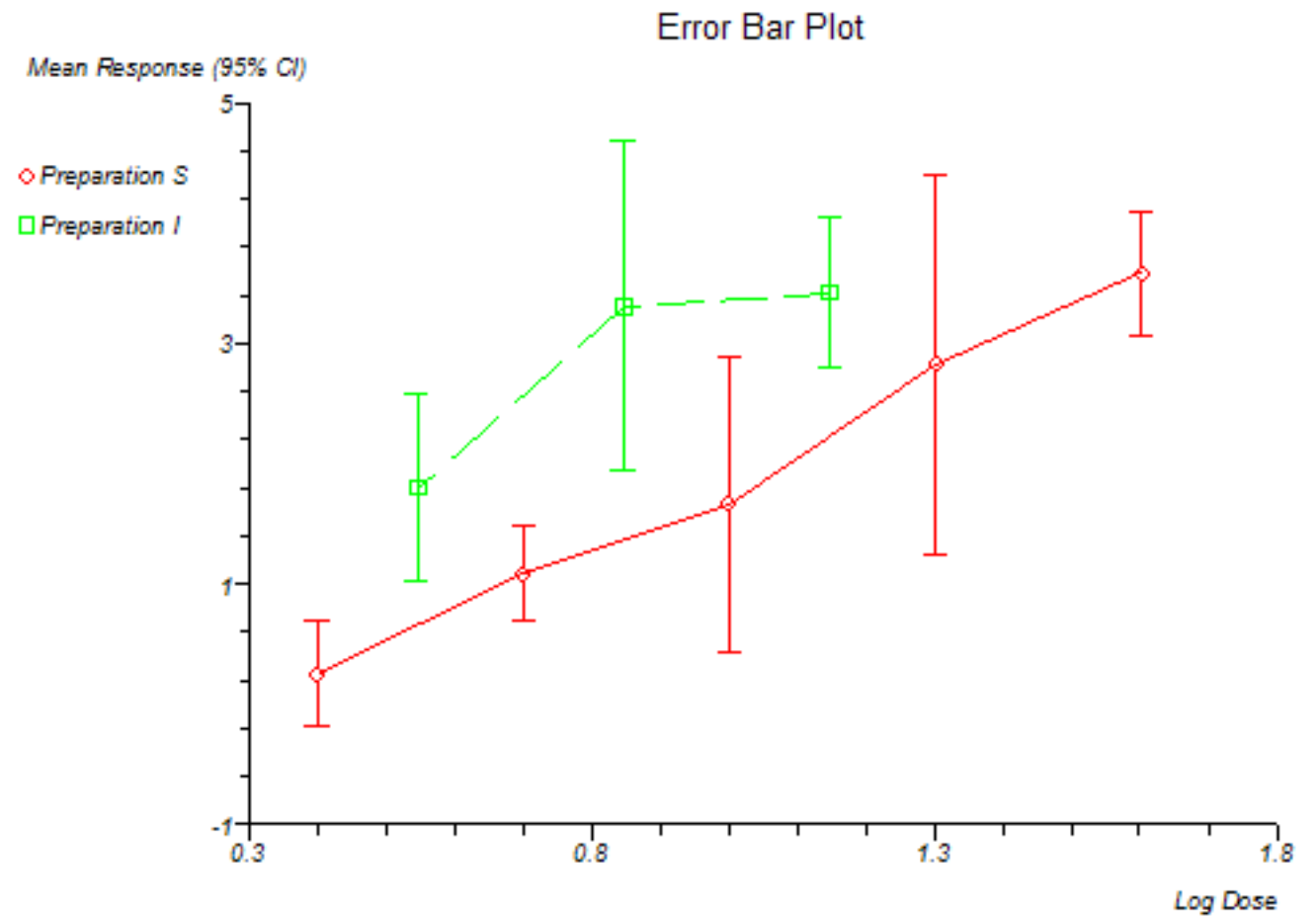
Виды графиков

- График плотности распределения

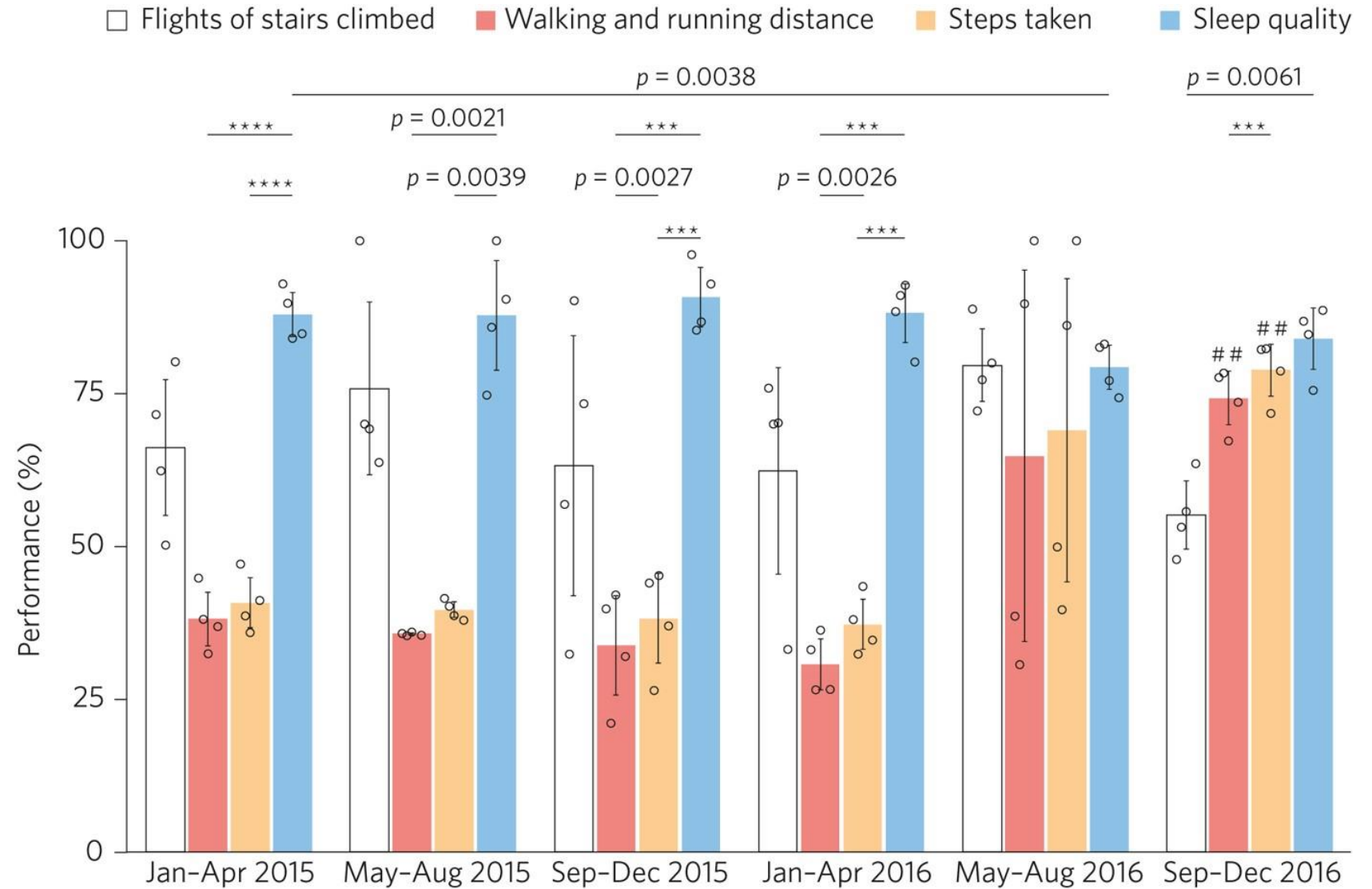


Виды графиков

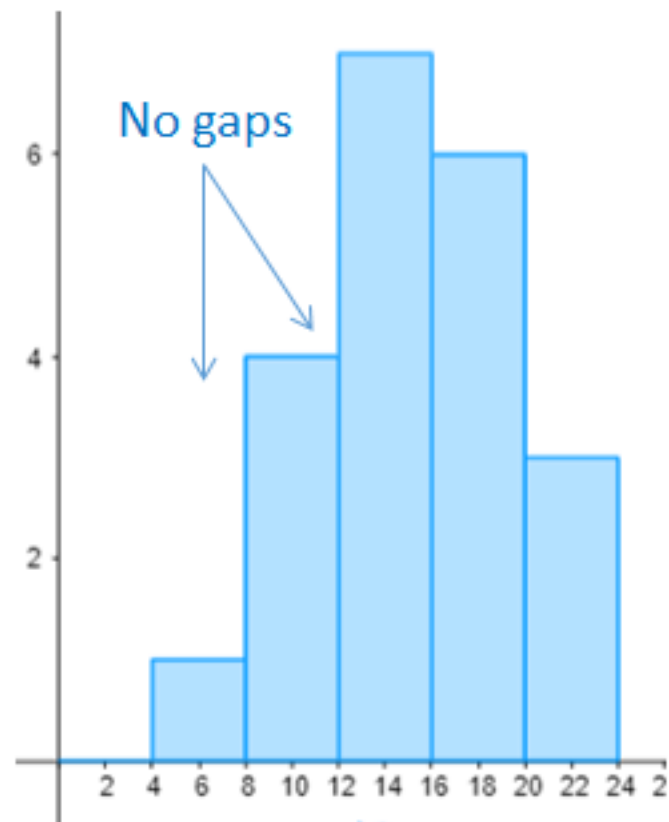
- Errorbar



- Bar plot

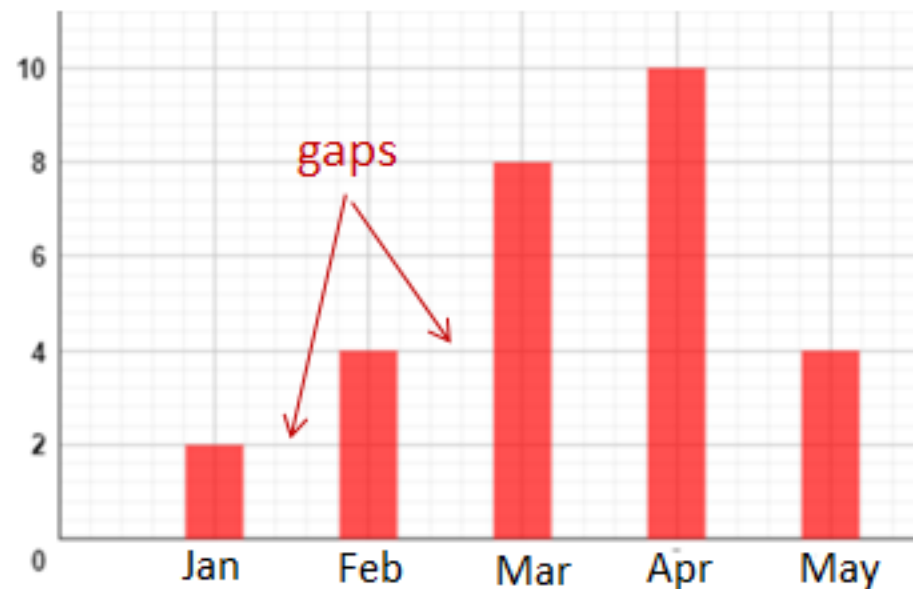


Histogram vs. Bar Chart



← Number Ranges →

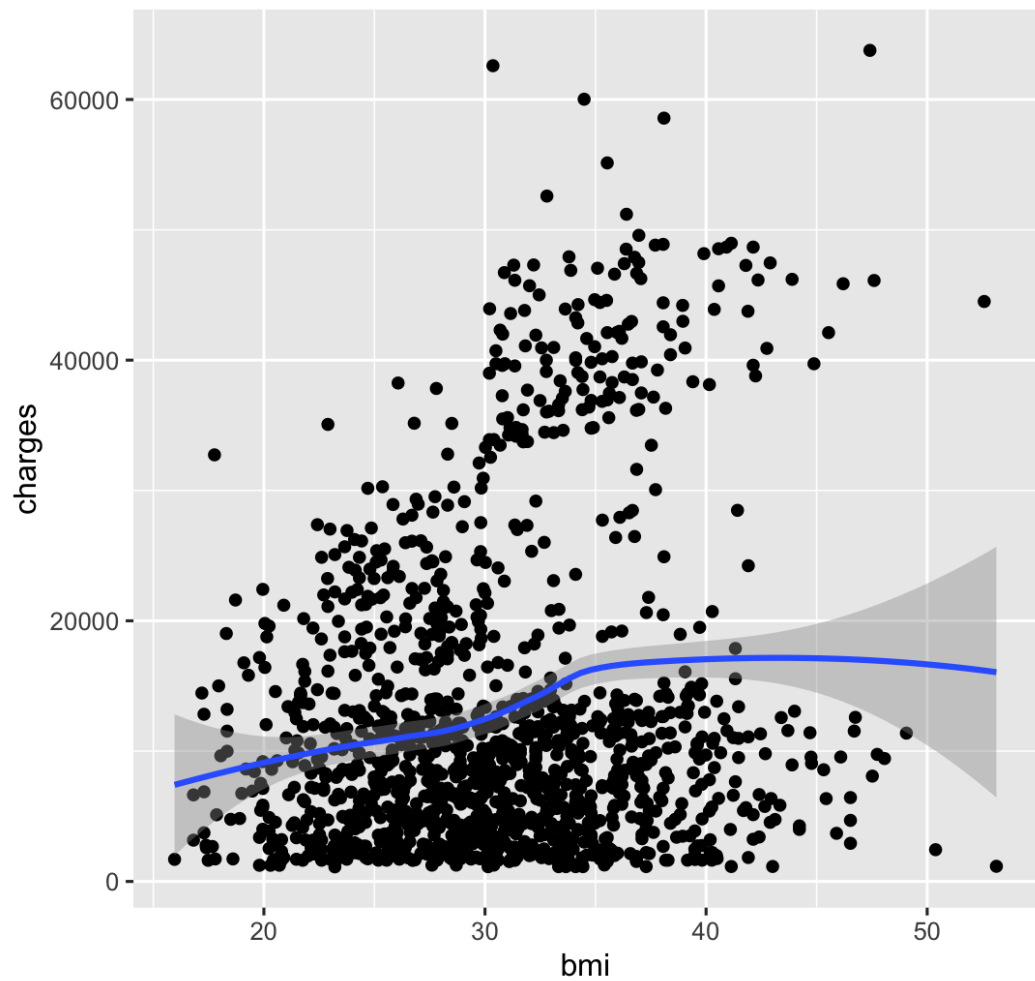
Histogram



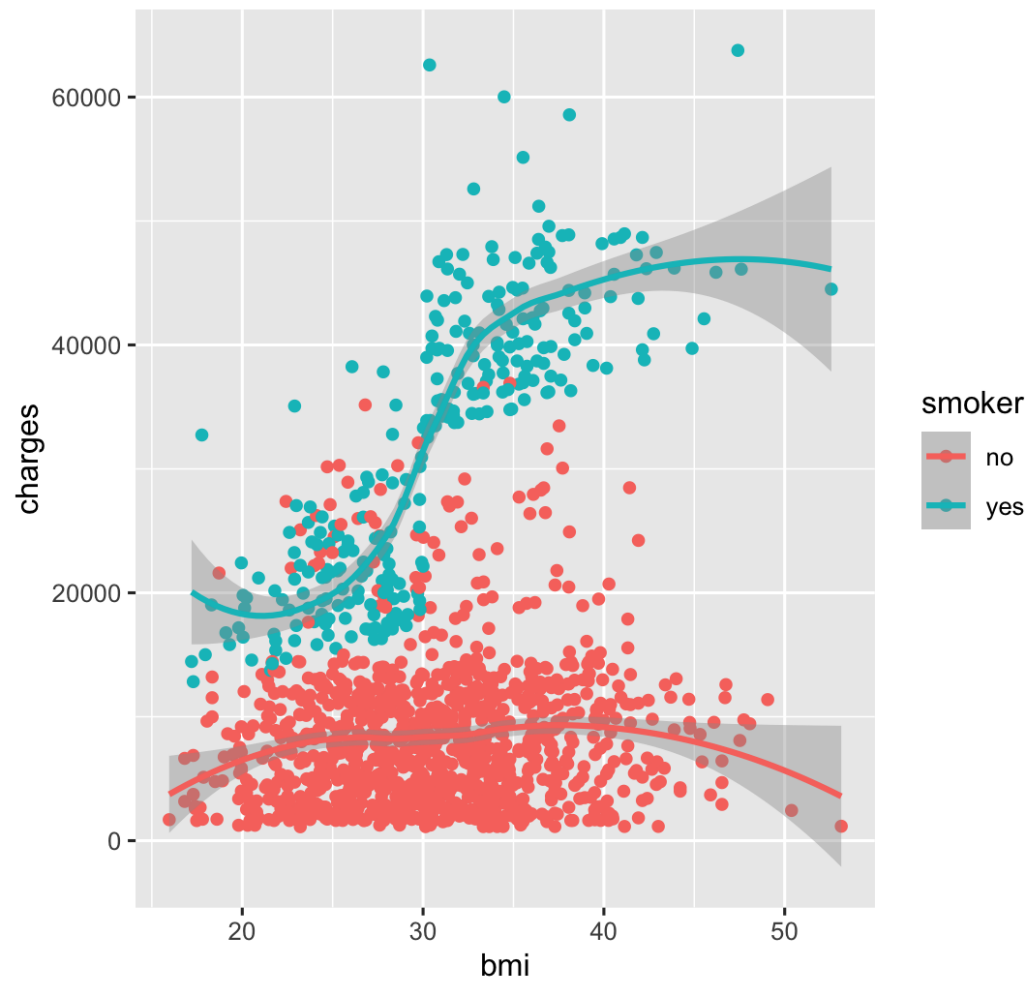
← Categories →

Bar Chart

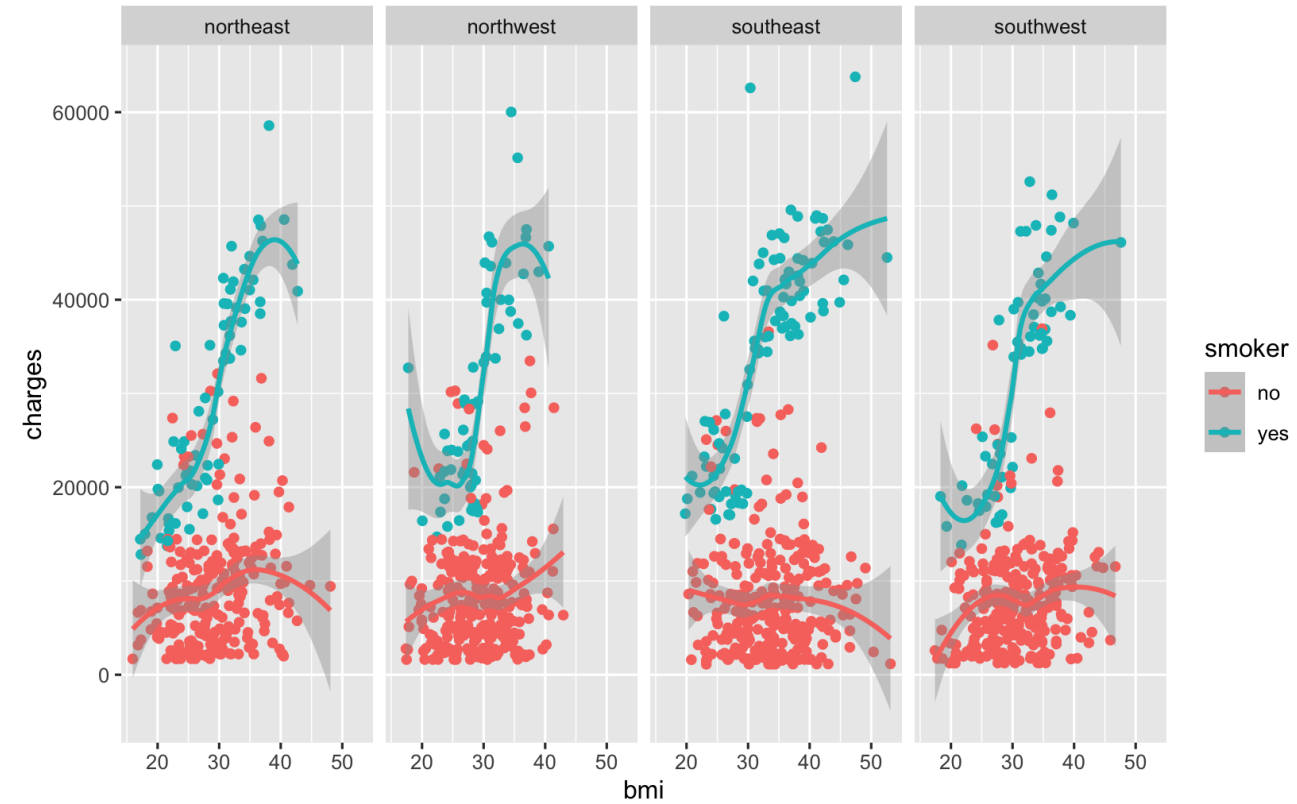
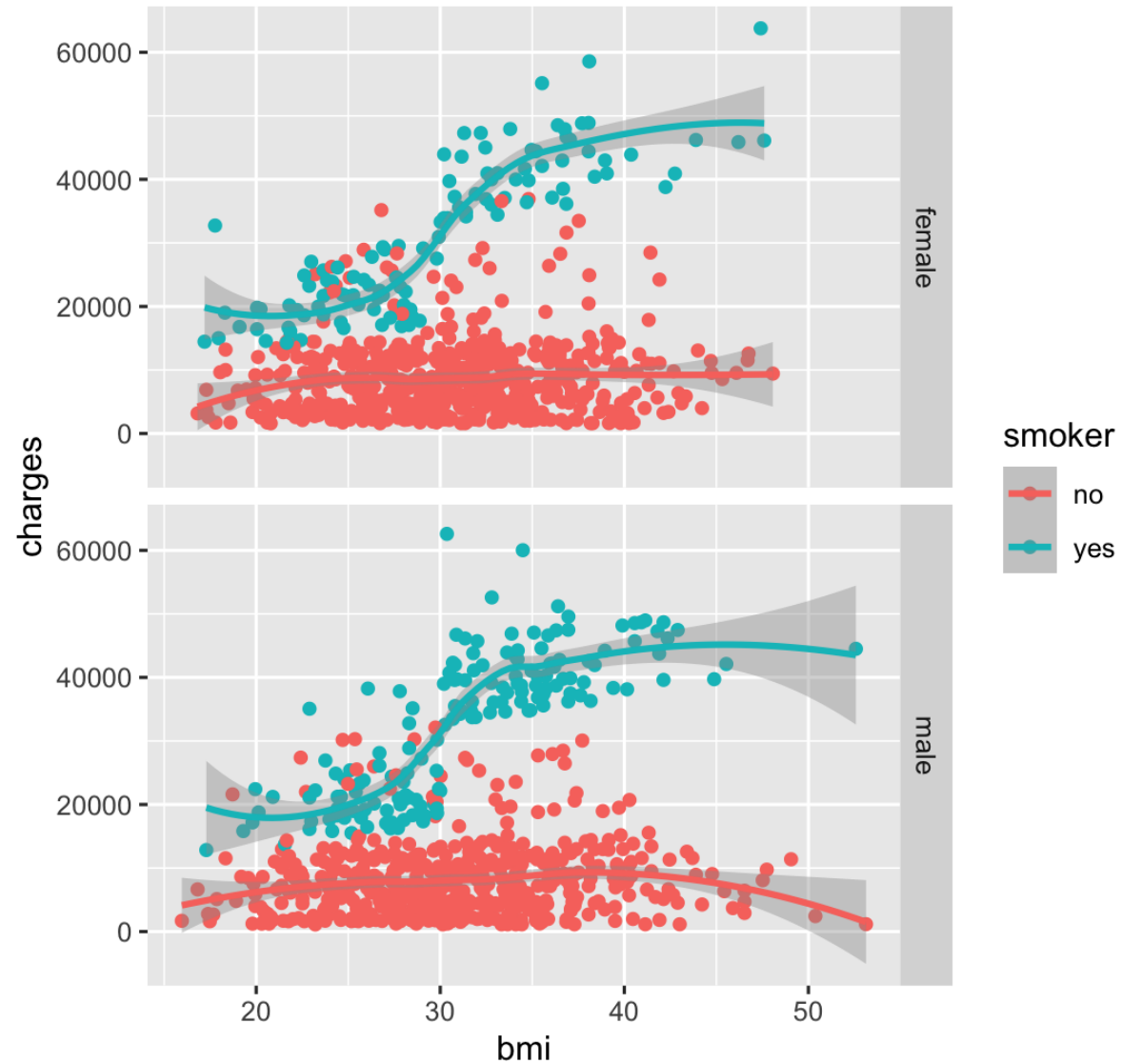
2D-graphs



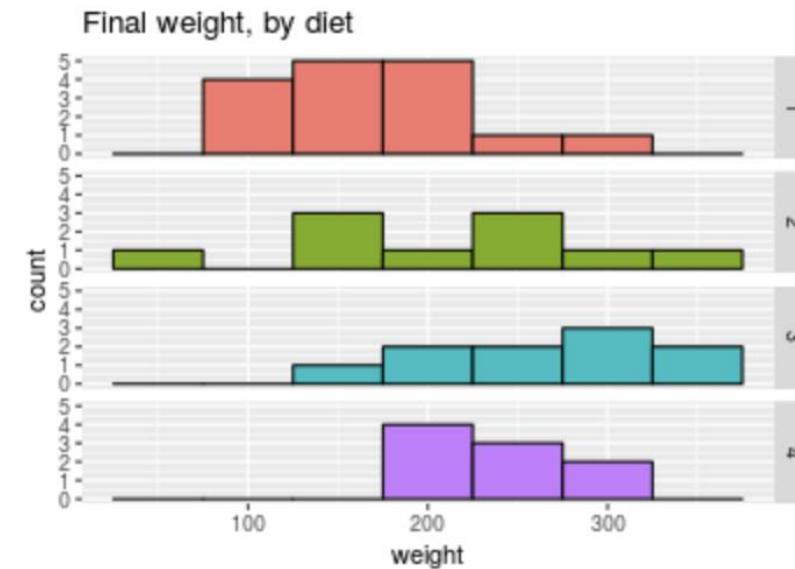
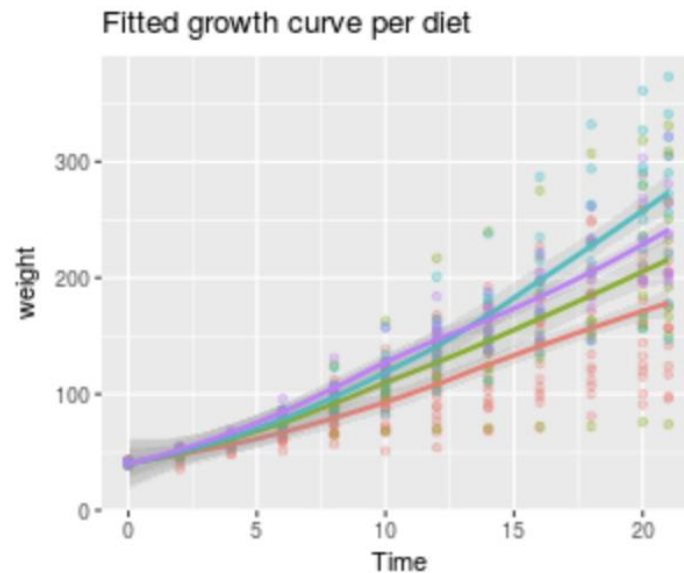
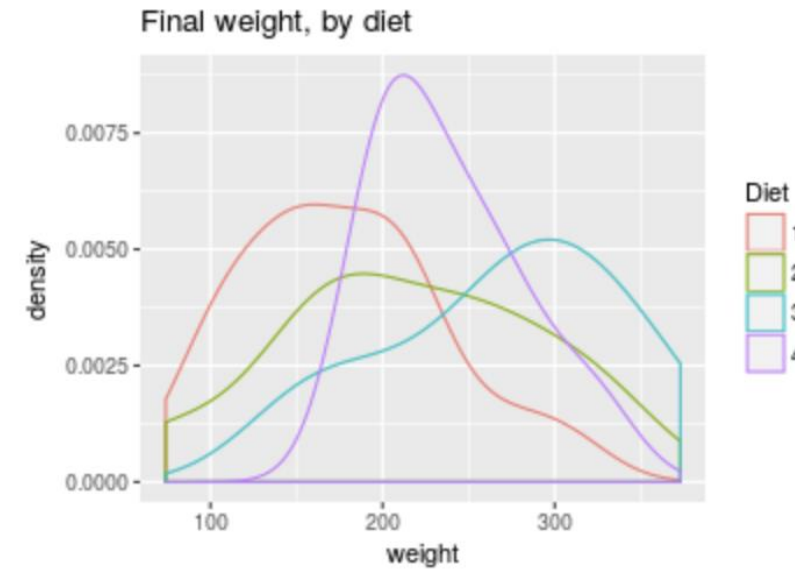
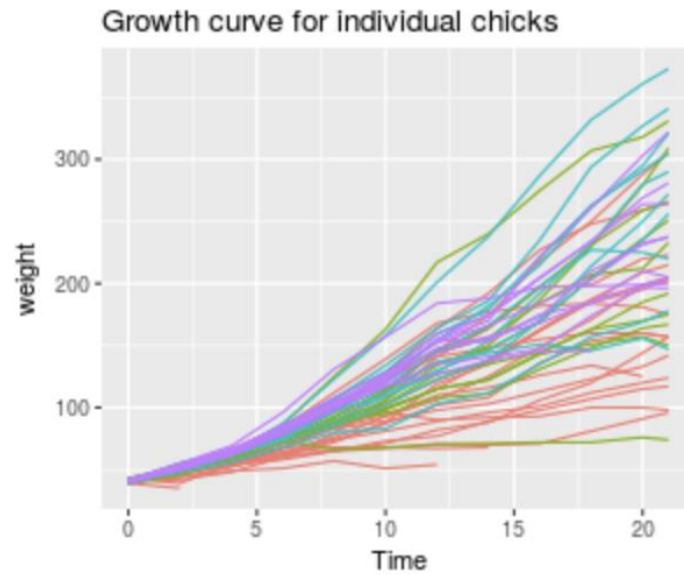
3D-graphs



4D-graphs (facets)

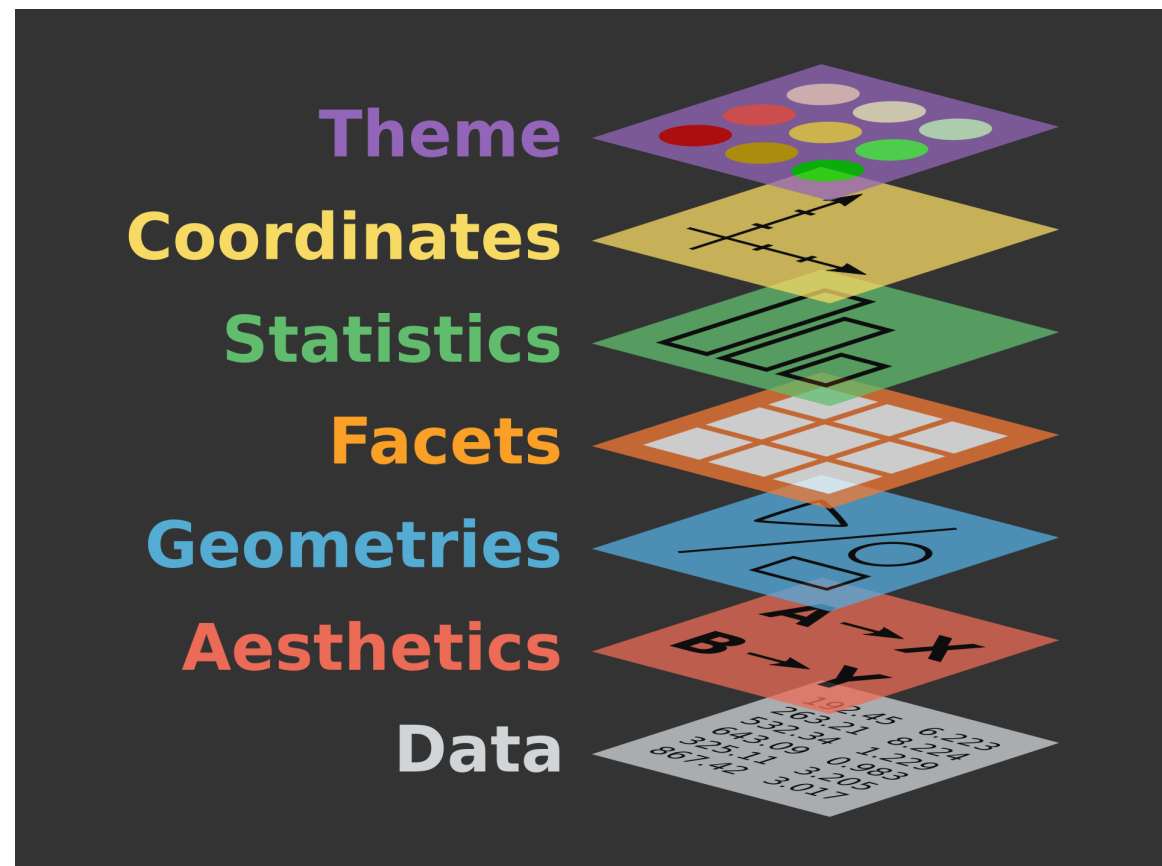
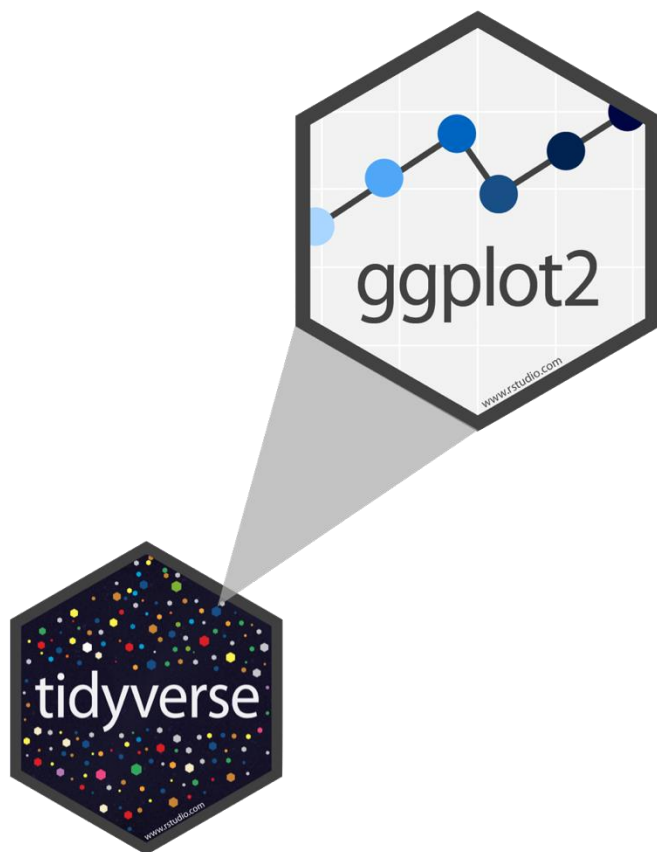


Multiple graphs



ggplot2

График как набор независимых слоев



DATA VISUALIZATION WITH MESSY AND UNAGGREGATED DATA

EXPECTATION



REALITY

