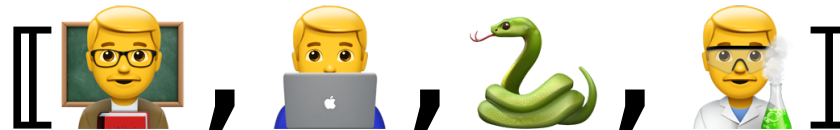Lecture Notes for

Machine Learning in Python
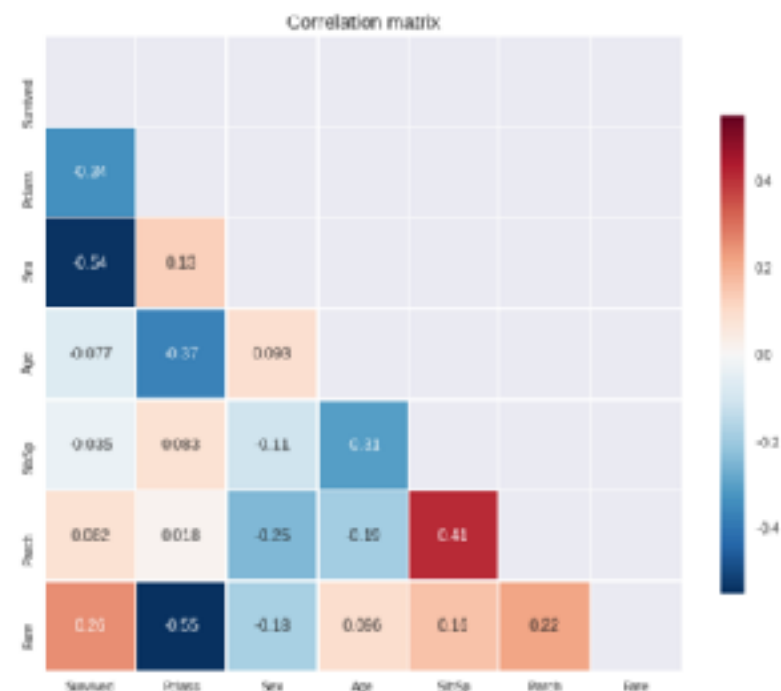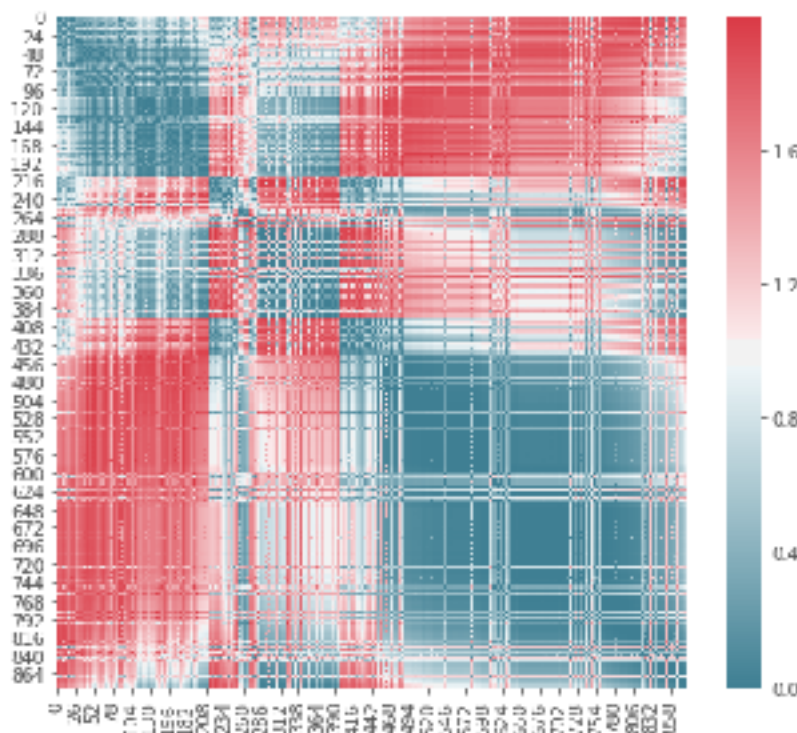

Professor Eric Larson

Visualization and Preprocessing

Class Logistics and Agenda

- Finish Visualization Demo
- Town Hall
- Flipped Assignment: Lab One

- Dimensionality Reduction
  - PCA
  - Sampling
  - Kernel Methods
    - Images

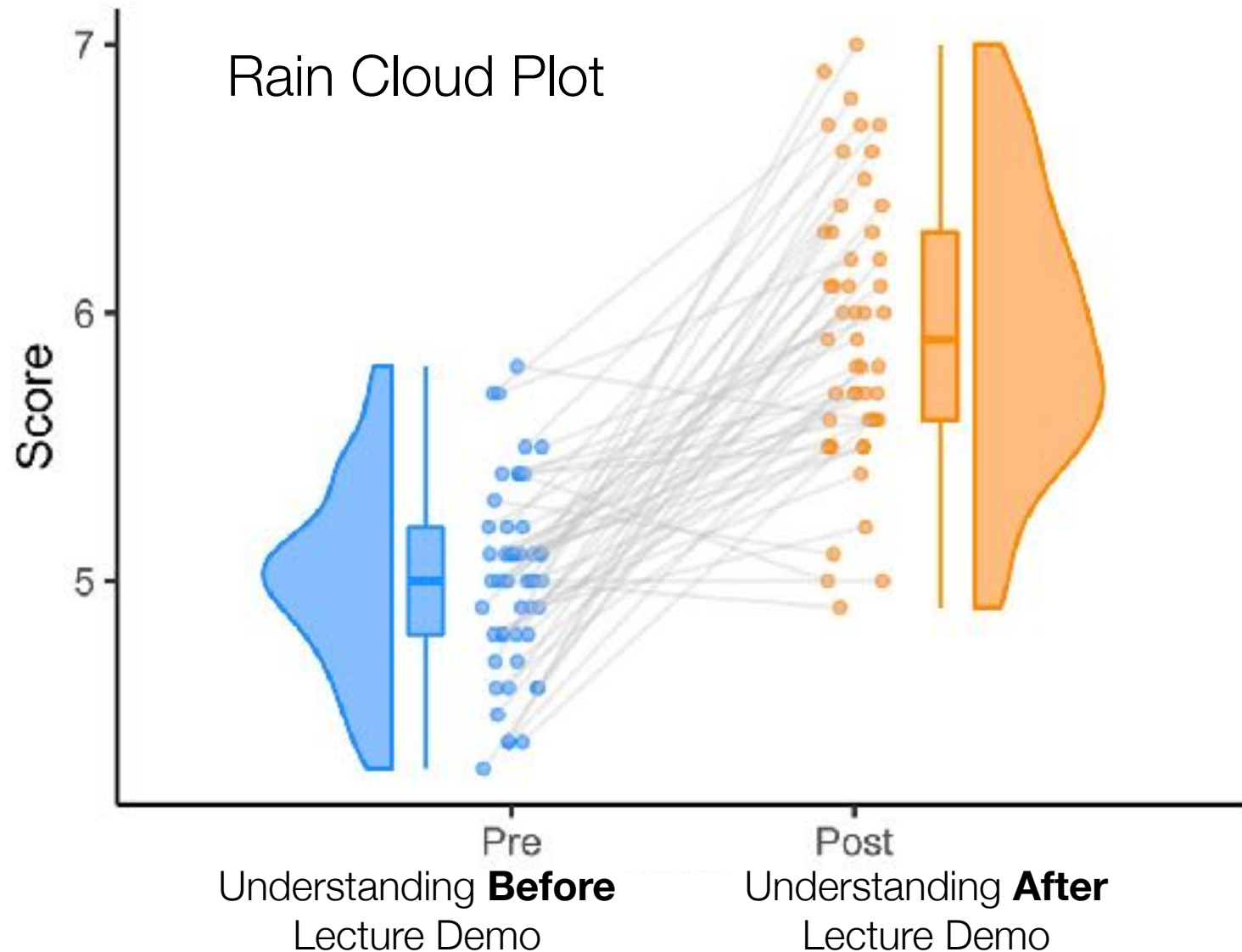# What is the difference in these plots?

- You tell me what conclusions we are getting from these graphs

  - Histogram
  - KDE
  - HeatMaps and Correlation
  - Scatter and Scatter Matrix
  - Box / Violin / Swarm

`03.Data Visualization.ipynb`

Matplotlib
Seaborn
Plotly

Rain Cloud Plot

Understanding **Before** Lecture Demo

Understanding **After** Lecture Demo

Lab One: Town Hall