Trends in Seattle Library Usage

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What effects (if any) do weather trends have on library checkouts?
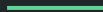
Data Preparation

- Quick first glance with daily rain and weather check outs

  - Had to find new data

- Panda's Resampling

  - Excessively large data sets

Tools Used

- Pandas
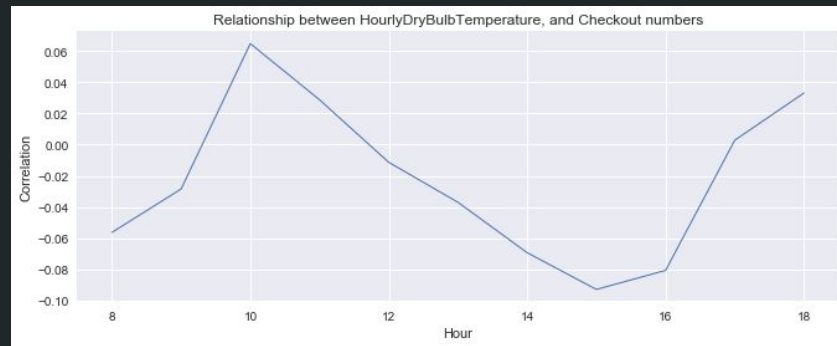- Numpy
- Scikit Learn
- Seagrams

Clustering and Classification Techniques

- Time series data management
- Correlation and statistical importance
- Principal Component Analysis

Knowledge Gained

- Insignificant results regarding checkouts and weather in Seattle

Relationship between HourlyDryBulbTemperature, and Checkout numbers

- PCA Results interesting
- Hard to find a correlation or what questions to ask in order to find meaningful correlations

Applying Knowledge