Pandas: DataFrame Basics

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DataFrame

- DataFrame in Pandas is a collection of Series with shared index
- DataFrame looks like a spreadsheet, and spread sheet like operation works (e.g. filtering by rows, selecting columns)
- Construction:
  - `pd.DataFrame()`
    - Use: `data, index, name`
    - From a series object
  - `pd.read_csv()`

DataFrame Index

- Indexes can be set by the following methods
  - Use `index` argument when constructing a DataFrame
  - Use `set_index()` method for DataFrame
- Index can be moved to a column using `reset_index()` method
- Rearrange the indexes using `reindex()` method