**Extraction:**

For the data sources I used the csv file austin\_weather from [www.kaggle.com](http://www.kaggle.com) and api from the open weather api. I imported the csv file using pandas and then retrieved information from the api using a query from requests.

**Transformation:**

To transform the csv data, I loaded it into a pandas dataframe. This would make it easy to manipulate since pandas has a suite of very intuitive tools that I am familiar with. Using the mean function a found the averages of the three different temperature columns: avg, high, and low temperatures. These values where then stored in a dictionary for later use. Next, I queried data from the open weather database for the city of Austin. I extracted the avg, high, and low temperatures from the data set and stored them in a dictionary.

**Load:**

I uploaded both dictionaries to a new database in mongo db, austin\_db, with one collection, temp. I chose mongo db because it was simple, and I could create a new database with out having to open another app.