Introduction to Jupyter Notebooks

Connecting a Data Source

```
from pandas import *
print('Your pandas version is', pandas.__version__)


df = DataFrame(data=[[1,2], [2,1], [1.2,1.8], [1.6,1.2]], columns=['x','y'])

%matplotlib inline
df.plot('x', 'y', kind='scatter')
```

Press Control-Enter to see graph.

```
import pandas as pd
import matplotlib.pyplot as plt
import seaborn as sns
sns.set(style="darkgrid")
```

```
df = pd.read_csv('../shared_data/2014_USA_States_Population.csv')
```

```
df.head()
```

This is using an external data file (CSV) located in a folder on the server. Also create a code cell with `df.tail()` and another code cell naming the columns with

```
df.columns = ['priority', 'state', 'abbrev', 'pop']
```

Simple Plot using Seaborn

```
graph = sns.lmplot(x="state",y="pop",data=df.head(), fit_reg=False)
graph = (graph.set_axis_labels("State","Population"))

# Tweak using MatplotLib
plt.ylim(0, None)
```