# GDP Analysis

January 13, 2019

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In [9]: import os
        from IPython.display import display

        import pandas as pd
        import numpy as np

In [3]: DATA_DIR = os.path.join('..', 'data', 'gdp_data')

        countires = [os.path.join(DATA_DIR, country) for country in os.listdir(DATA_DIR)]
        csvs = [pd.read_csv(country, sep=',', skiprows=3) for country in countires]

        DATA = pd.concat(csvs, axis=0)

        data = DATA[DATA['Indicator Name'] == 'GDP per capita (current US$)']
        data = data.set_index('Country Code', drop=True)
        data = data.drop(['Unnamed: 62', 'Indicator Name', 'Indicator Code'], axis=1)

In [23]: with open('head.tex', 'w') as f:
             f.write(data.iloc[:10, pd.np.r_[0:4, 55:59]].to_latex())
```

tr

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In [6]: %matplotlib inline
        data2 = data.drop('Country Name', axis=1).T
        data2[['FIN', 'SWE', 'NOR', 'DNK', 'ISL']].plot()
```

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Out[6]: <matplotlib.axes._subplots.AxesSubplot at 0x7fc7974a8e80>
```

| | Country Name | 1960 | 1961 | 1962 | 2014 | 2015 | 2016 | 2017 |
|---|---|---|---|---|---|---|---|---|
| Country Code | | | | | | | | |
| AND | Andorra | NaN | NaN | NaN | 42294.994727 | 36038.267604 | 37231.815671 | 39146.548836 |
| PSE | West Bank and Gaza | NaN | NaN | NaN | 2960.778004 | 2865.805109 | 2949.688085 | 3094.725747 |
| KHM | Cambodia | 111.342480 | 109.459474 | 109.479045 | 1093.762067 | 1163.189770 | 1269.907238 | 1384.423187 |
| AUT | Austria | 935.460427 | 1031.815004 | 1087.834243 | 51704.541188 | 44206.784282 | 44731.010855 | 47290.911650 |
| LBN | Lebanon | NaN | NaN | NaN | 8536.682494 | 8452.443641 | 8257.294391 | 8523.749550 |
| SUR | Suriname | 323.658636 | 329.993159 | 337.873129 | 9564.406383 | 8724.723897 | 5871.442003 | 5900.556486 |
| CHN | China | 89.520542 | 75.805838 | 70.909412 | 7683.502613 | 8069.213024 | 8117.267465 | 8826.994096 |
| ABW | Aruba | NaN | NaN | NaN | NaN | NaN | NaN | NaN |
| QAT | Qatar | NaN | NaN | NaN | 86852.710189 | 66346.522669 | 59324.338773 | 63505.805250 |
| STP | Sao Tome and Principe | NaN | NaN | NaN | 1824.378911 | 1613.480207 | 1771.987941 | 1912.970722 |