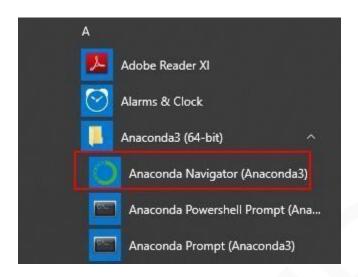


Module 7: Hands-On: 6

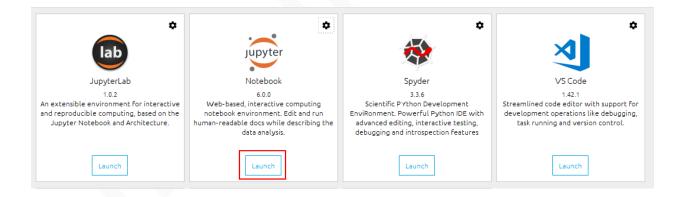


Data Visualization:

Step 1: Open Anaconda Navigator

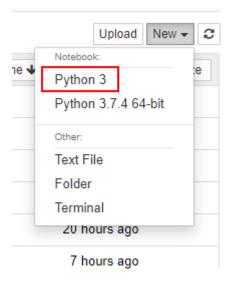


Step 2: Click on Launch button under Jupyter Notebook

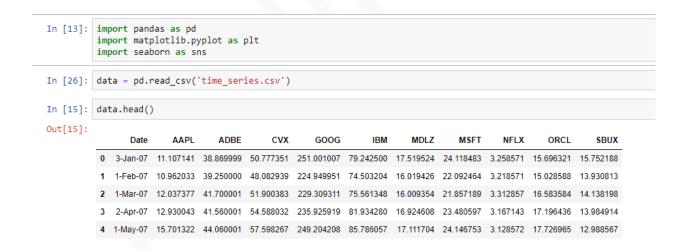




Step 3: After the notebook opens click on New and Python 3



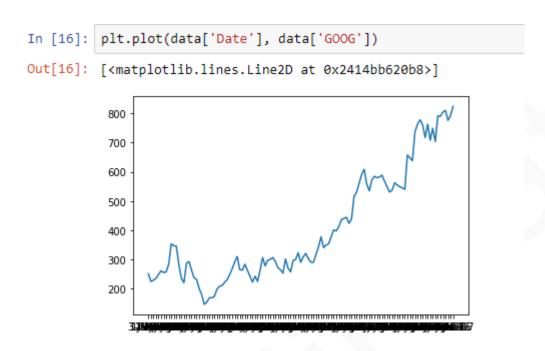
Step 4: Import the required packages and read data from time_seriest.csv in a DataFrame



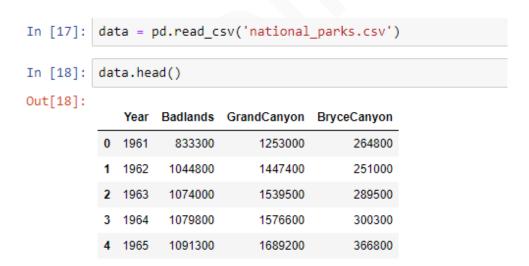
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Step 5: Plot a line graph and take a look at Google's historical data about its stock price



Step 6: Read data from national parks and take a look at first 5 rows

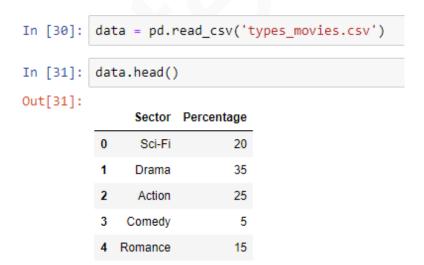




Step 7: Plot a histogram based on the 'GrandCanyon' column

```
In [19]:
         plt.hist(data['GrandCanyon'])
Out[19]: (array([ 5., 9., 10., 2., 1., 9., 16.,
                                                       2.,
                                                            1.,
                                                                 2.]),
          array([1253000., 1753123.8, 2253247.6, 2753371.4, 3253495.2, 3753619.,
                  4253742.8, 4753866.6, 5253990.4, 5754114.2, 6254238. ]),
          <a list of 10 Patch objects>)
          16
          14
          12
          10
           8
           6
           4
           2
                  2000000
                          3000000
                                  4000000
                                           5000000
                                                   6000000
```

Step 8: Read data from 'types_movies.csv' and take a look at first 5 rows

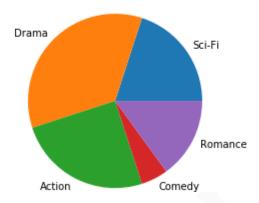


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Step 9: Plot a pie chart based on percentage of movies and set labels to be sector column







Step 10: Create and visualize a correlation matrix on time_series data using heatmaps

