Project5: Session33\_ApplicationOfTimeSeriesModels

**Dataset Link**

**Dataset**

**Hint:**

**import pandas as pd**

**import numpy as np**

**import matplotlib.pyplot as plt**

**from pandas.tools.plotting import autocorrelation\_plot**

**from statsmodels.graphics.tsaplots import plot\_pacf**

**from statsmodels.tsa.arima\_model import ARIMA, ARMAResults**

**import datetime**

**import sys**

**import seaborn as sns**

**import statsmodels**

**import statsmodels.stats.diagnostic as diag**

**from statsmodels.tsa.stattools import adfuller**

**from scipy.stats.mstats import normaltest**

**from matplotlib.pyplot import acorr**

**plt.style.use('fivethirtyeight')**

**%matplotlib inline**

**df = pd.read\_csv('C:/Users/Downloads/sp500/data\_stocks.csv')**

**df.head()**

**Problem Statement:**

Pick up the following stocks and generate forecasts accordingly

Stocks:

1. NASDAQ.AAPL

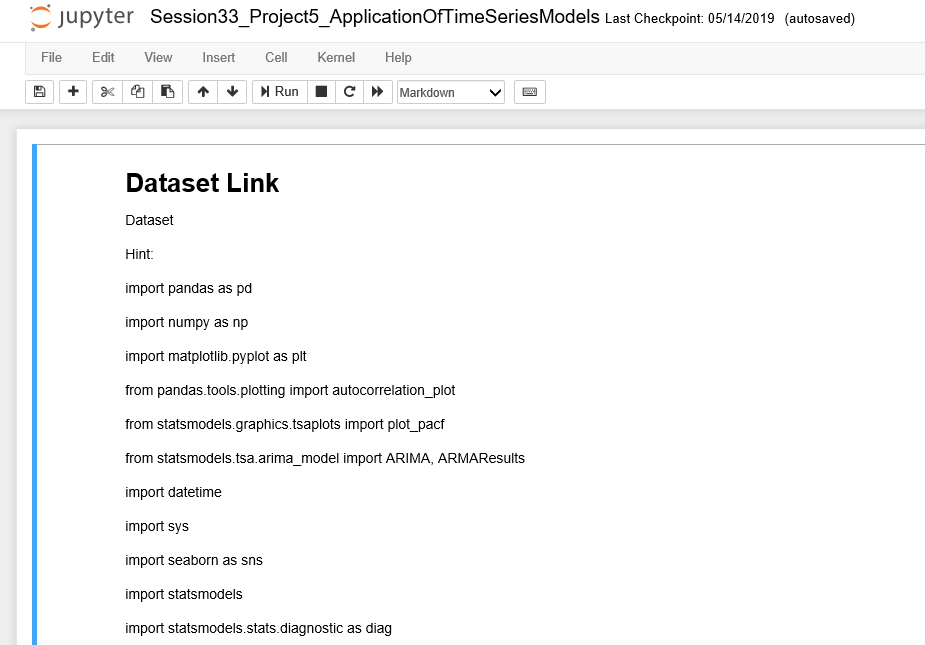
2. NASDAQ.ADP

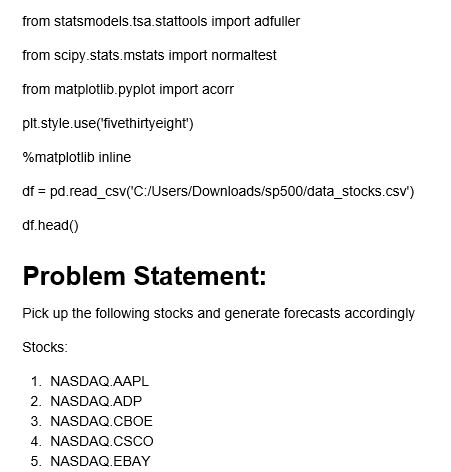
3. NASDAQ.CBOE

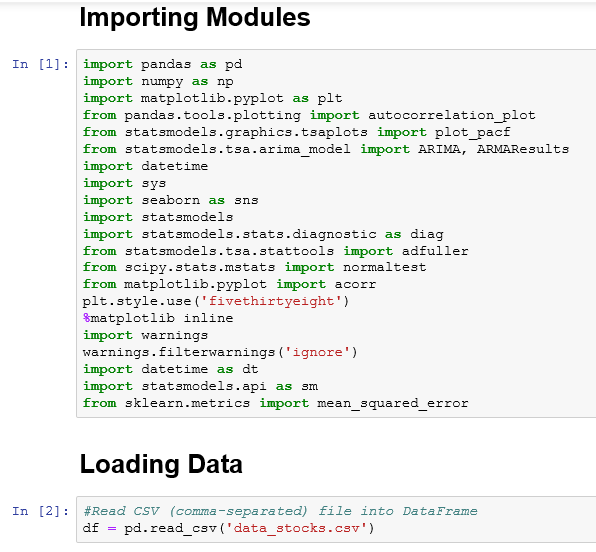
4. NASDAQ.CSCO

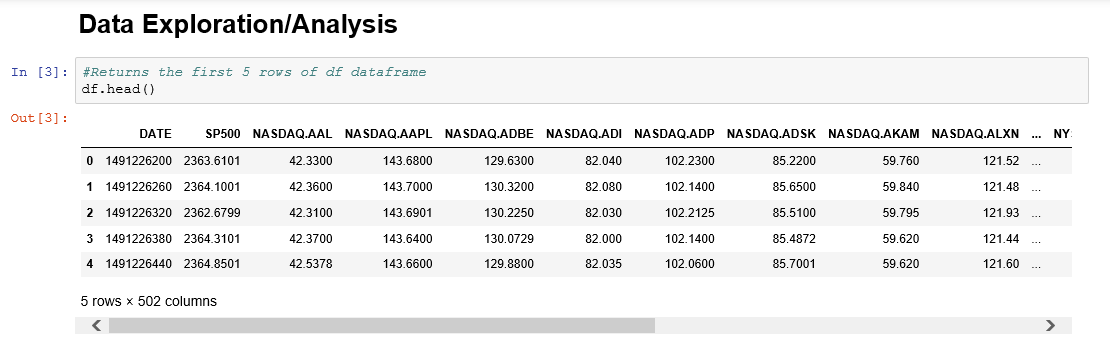
5. NASDAQ.EBAY

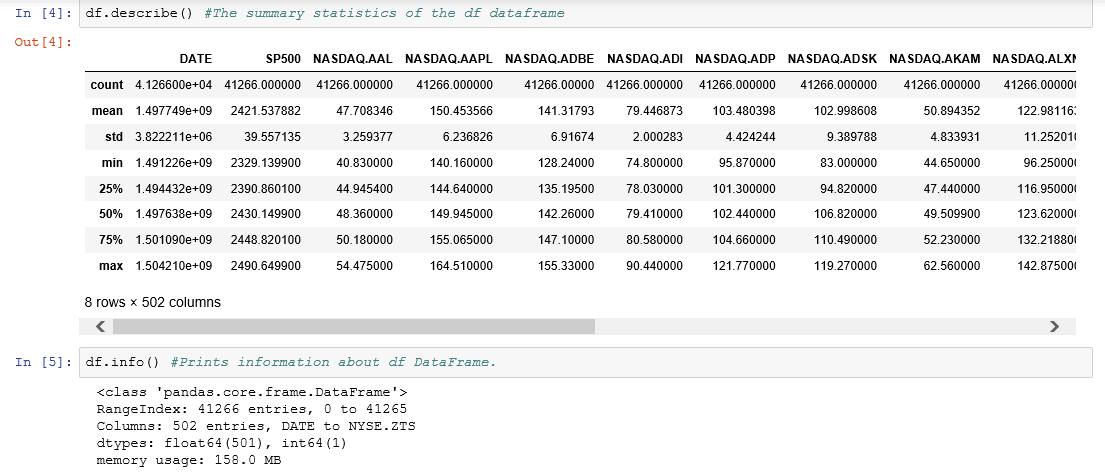
**OUTPUT**

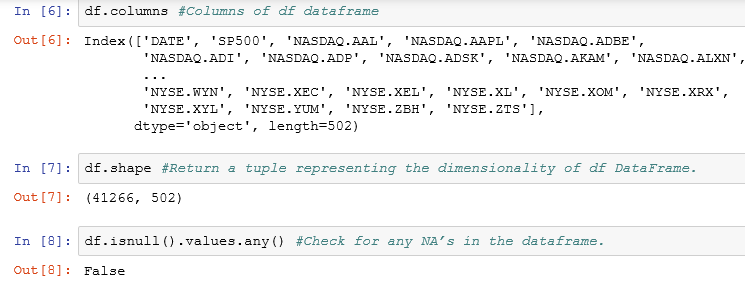
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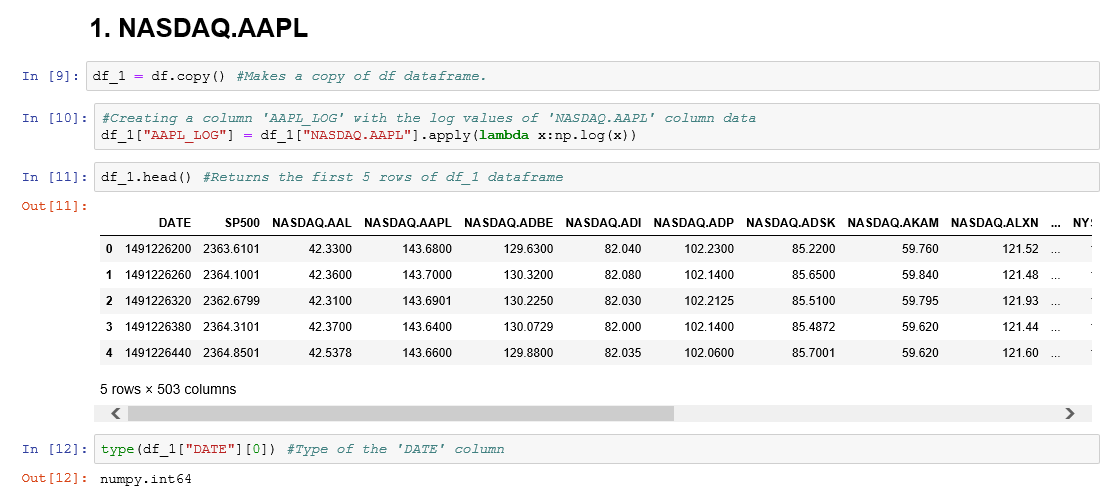
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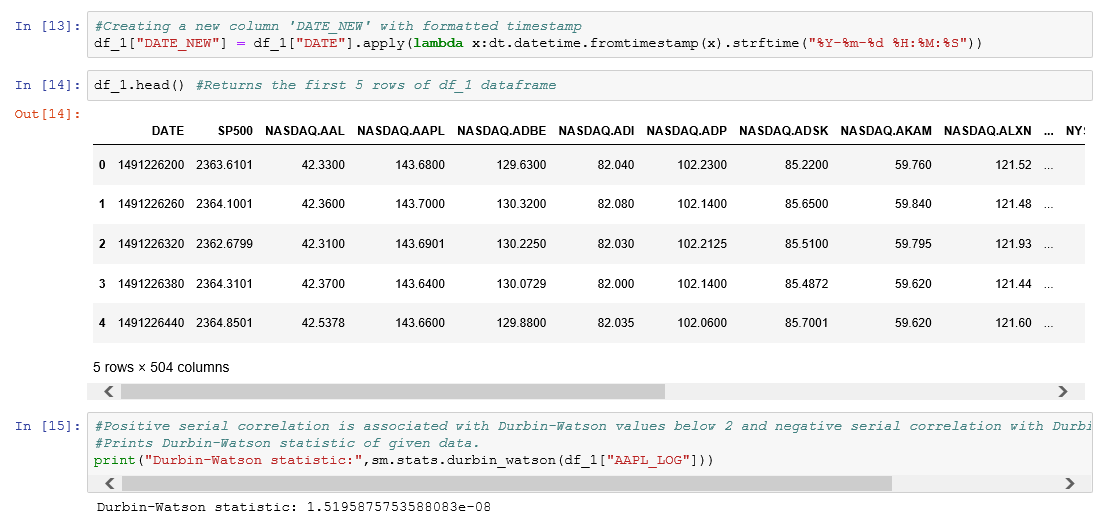
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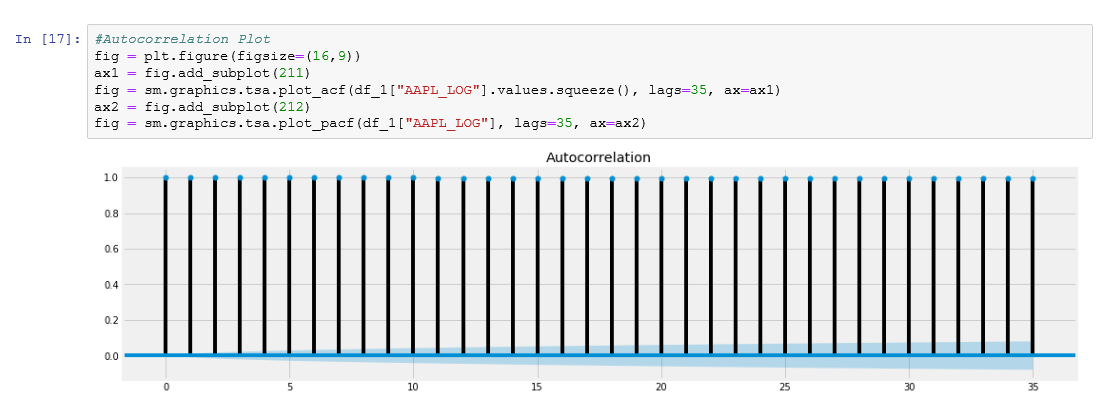
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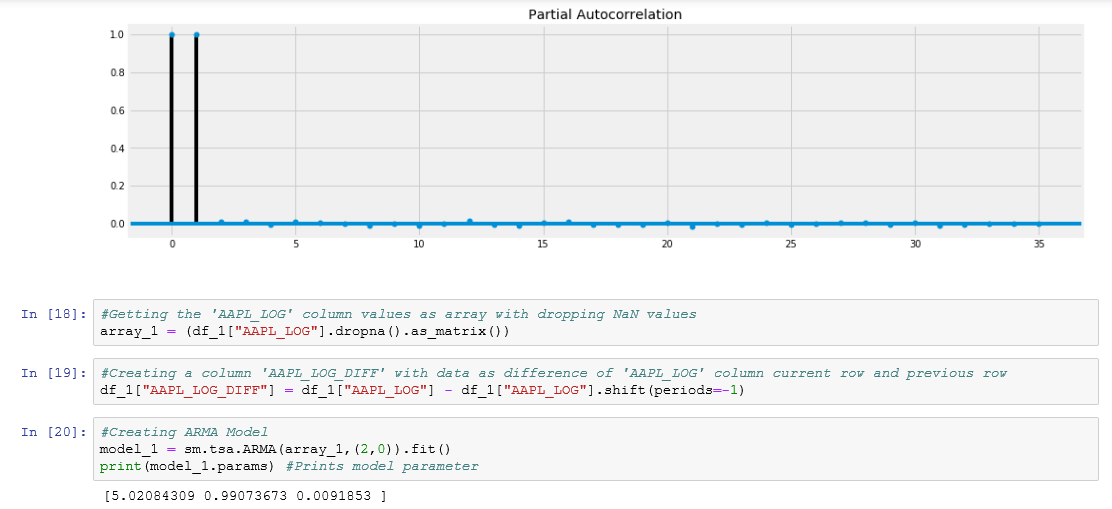
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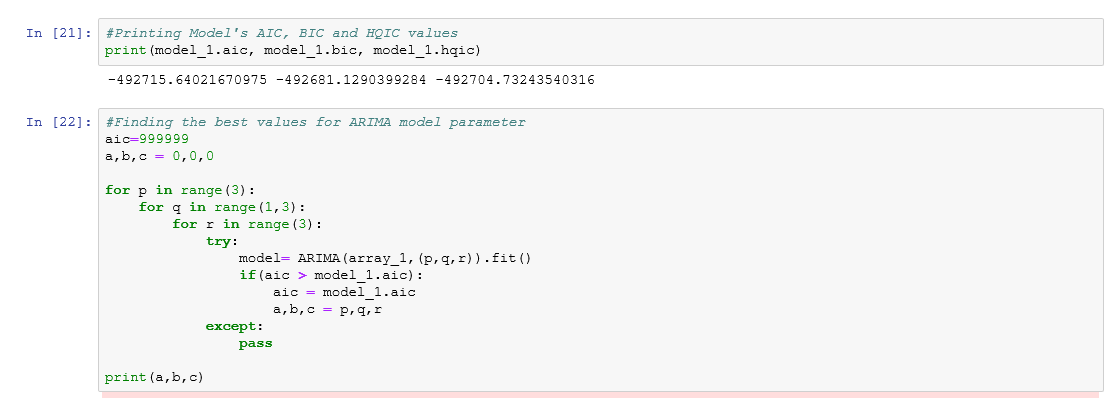
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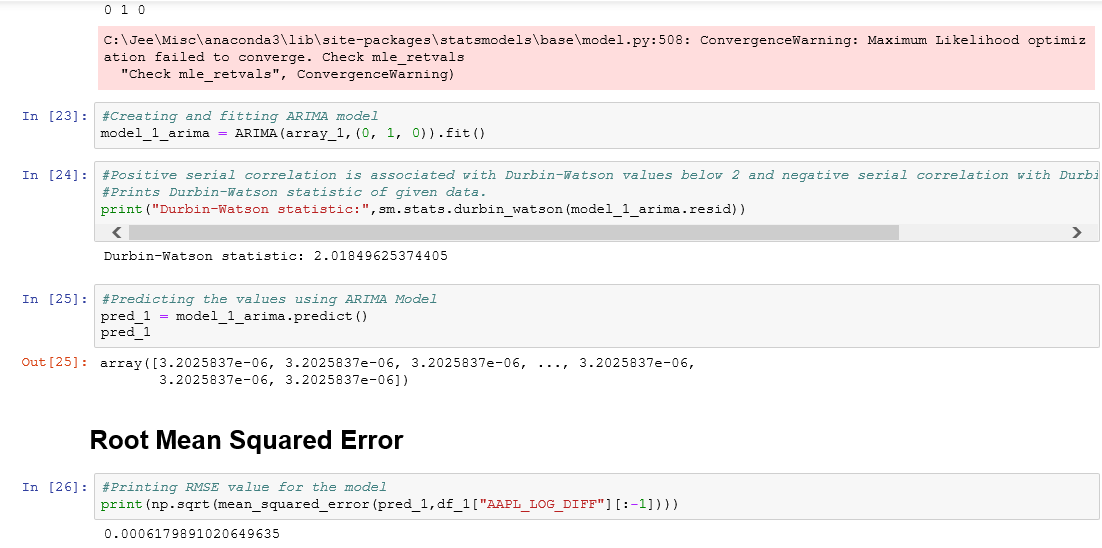
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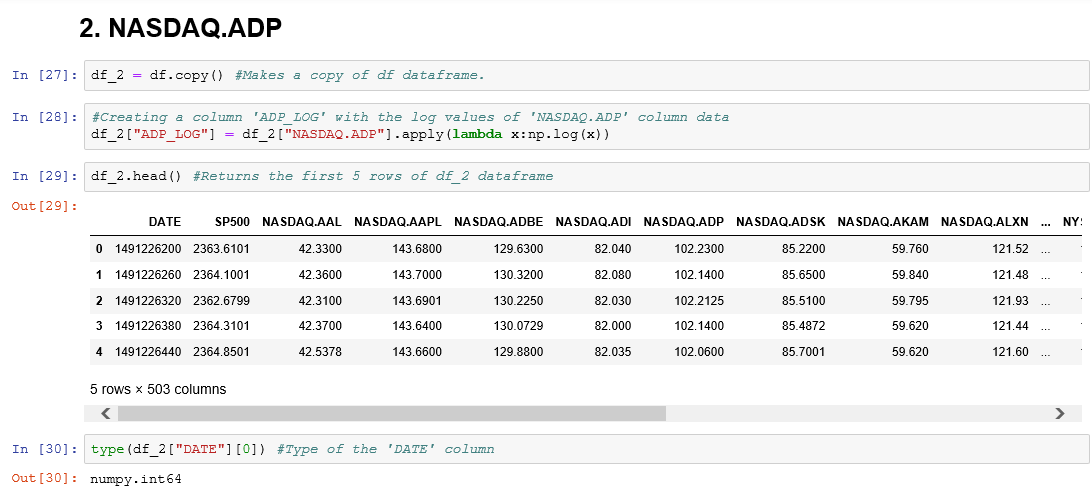
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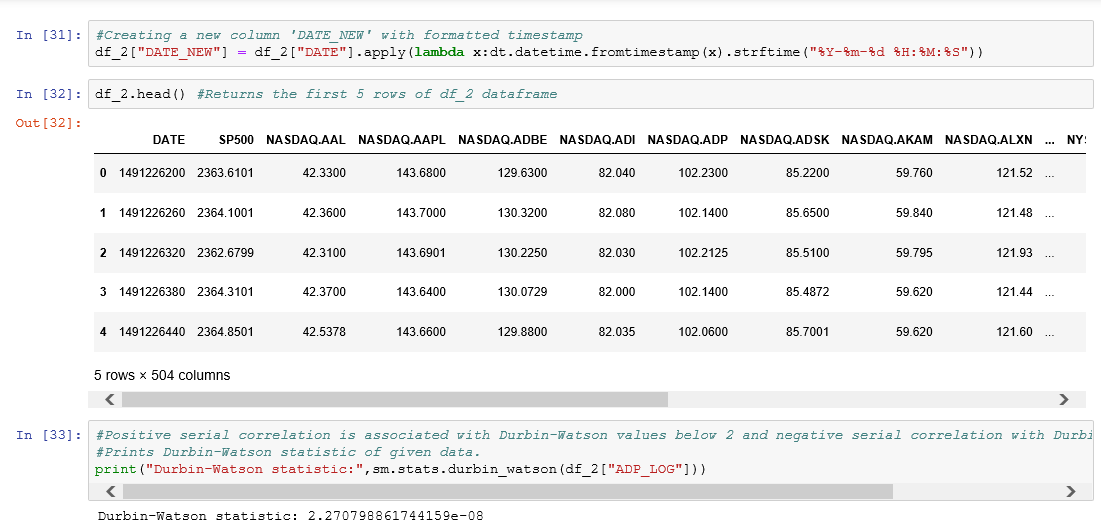
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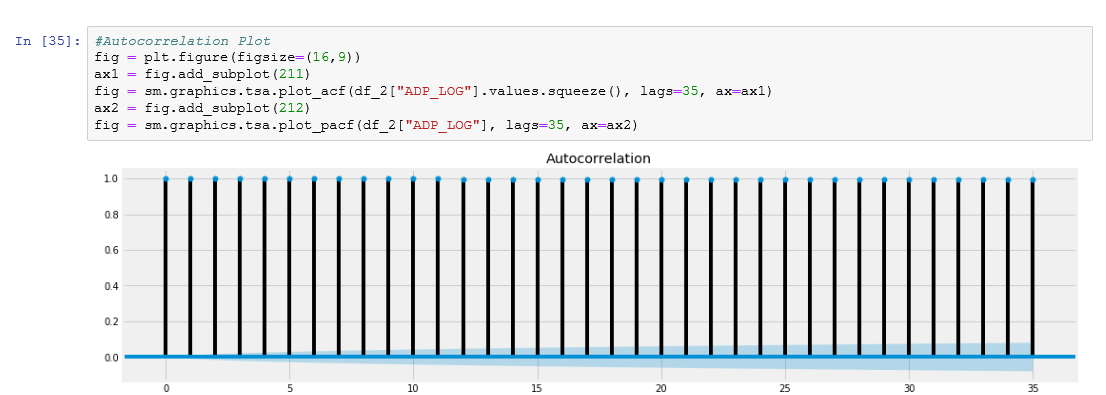
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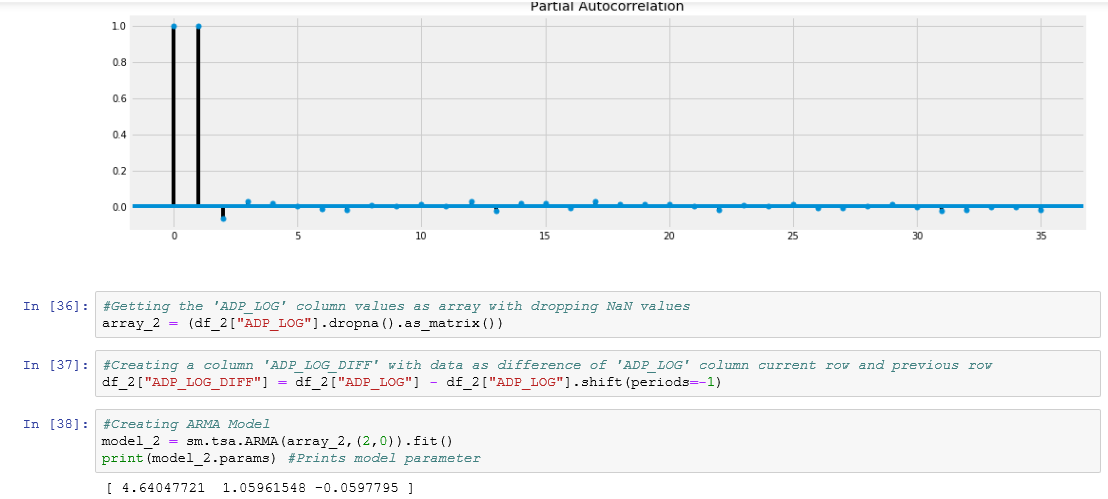
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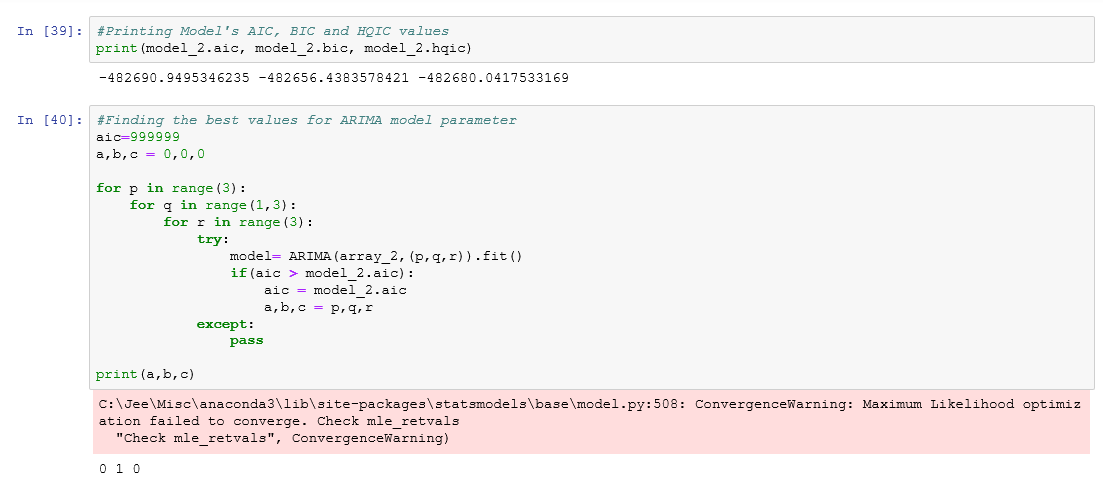
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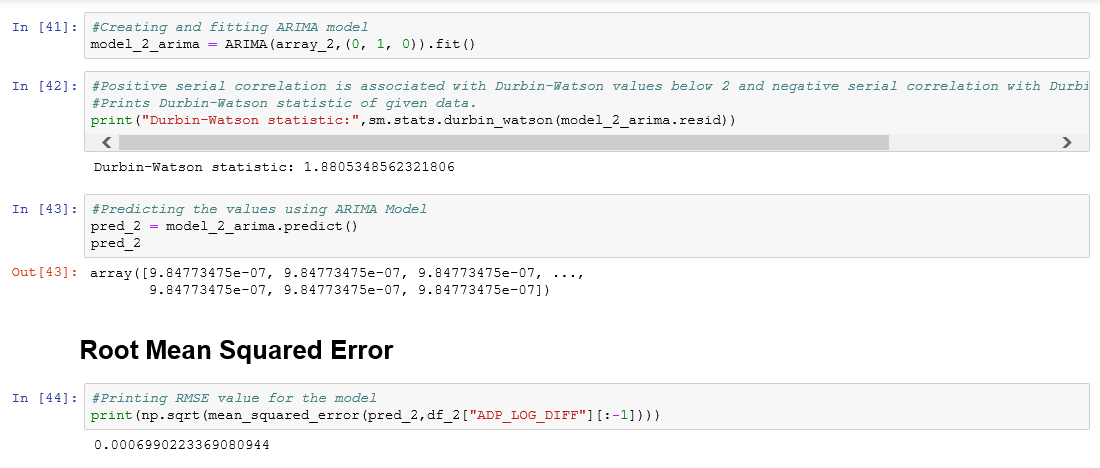
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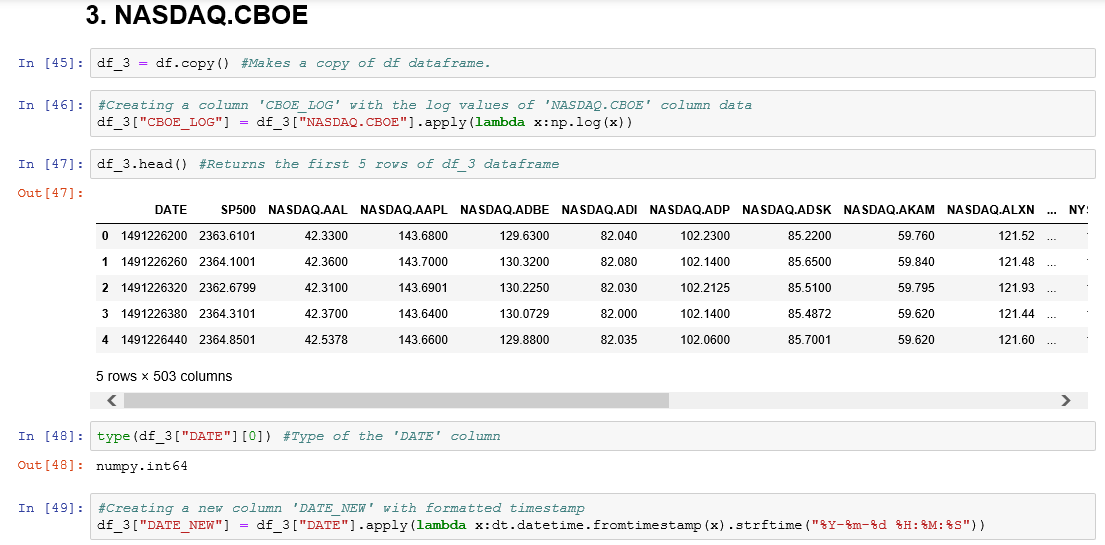
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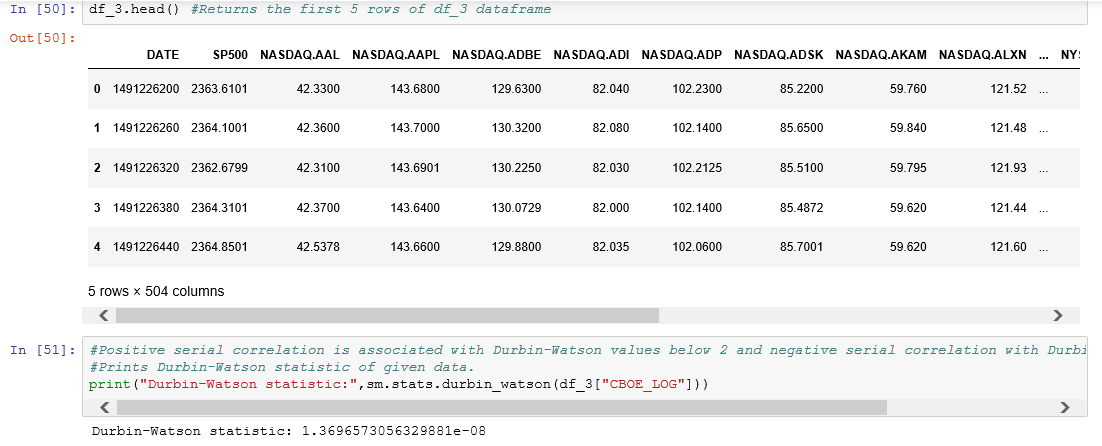
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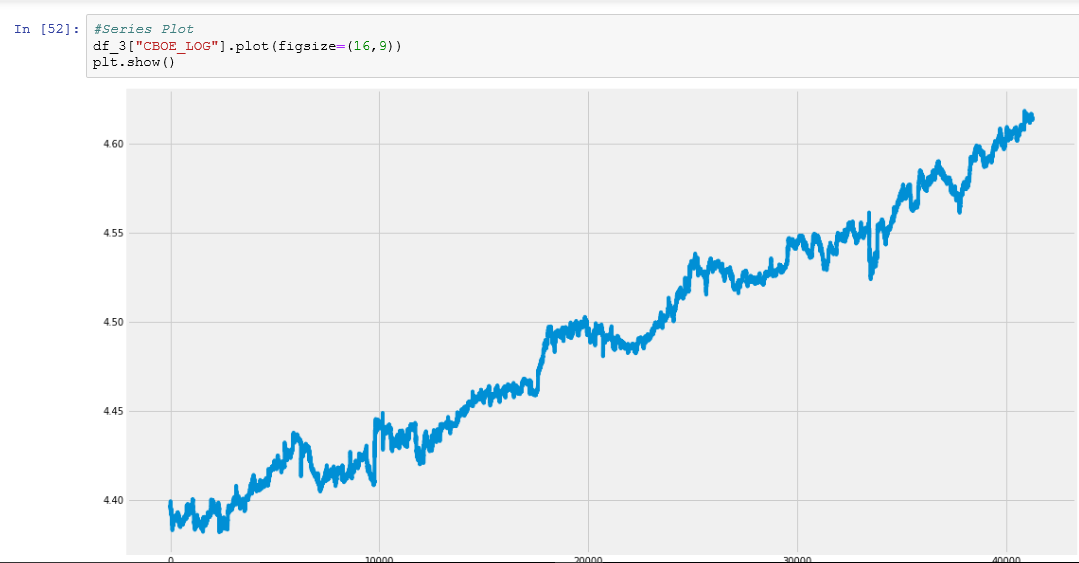
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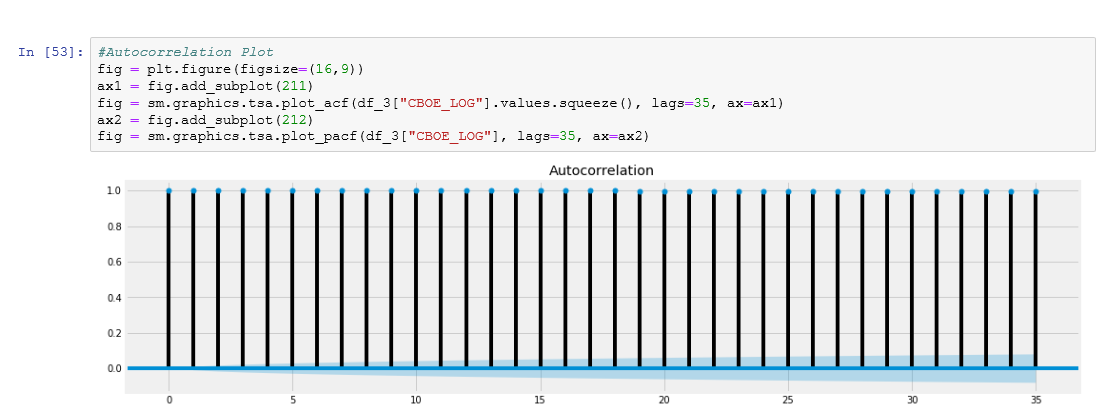
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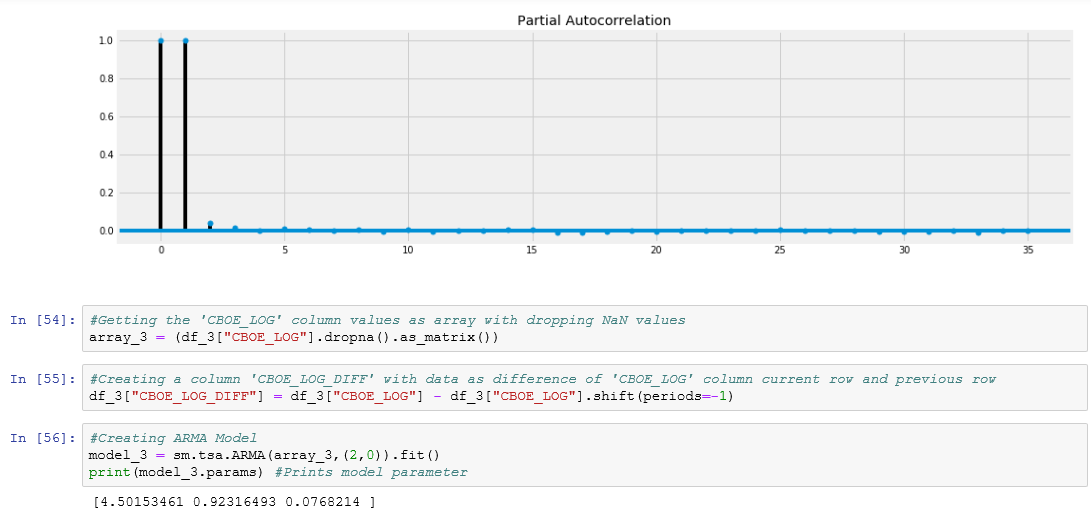
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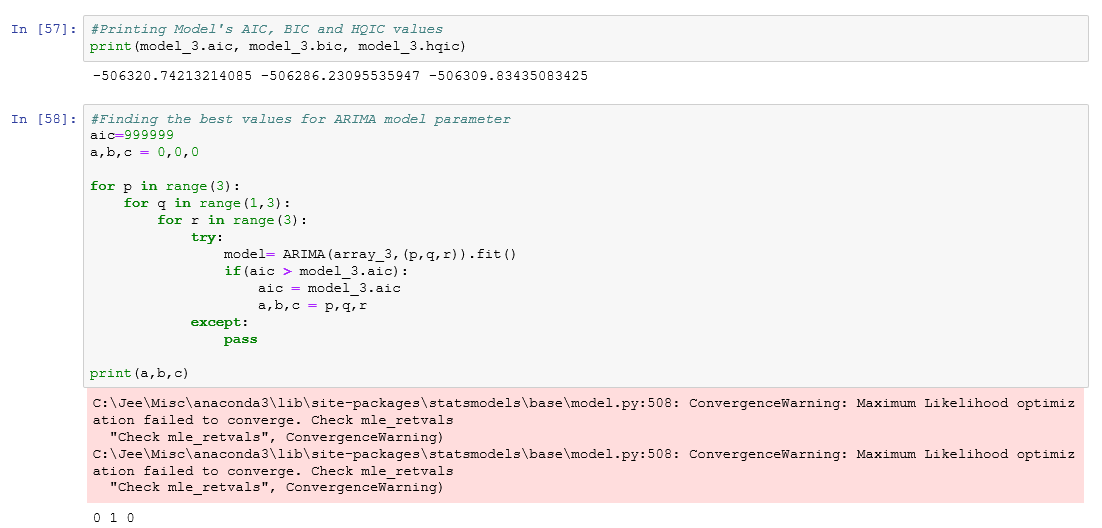
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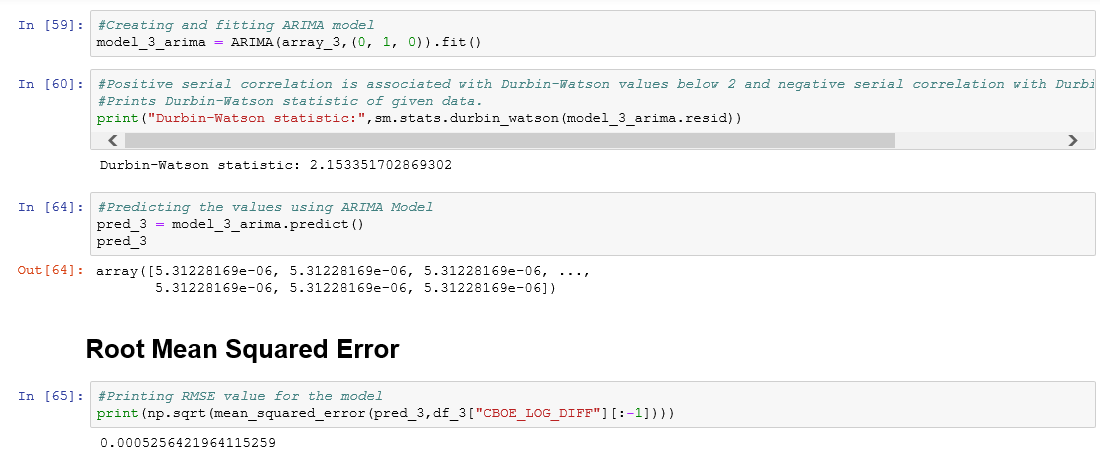
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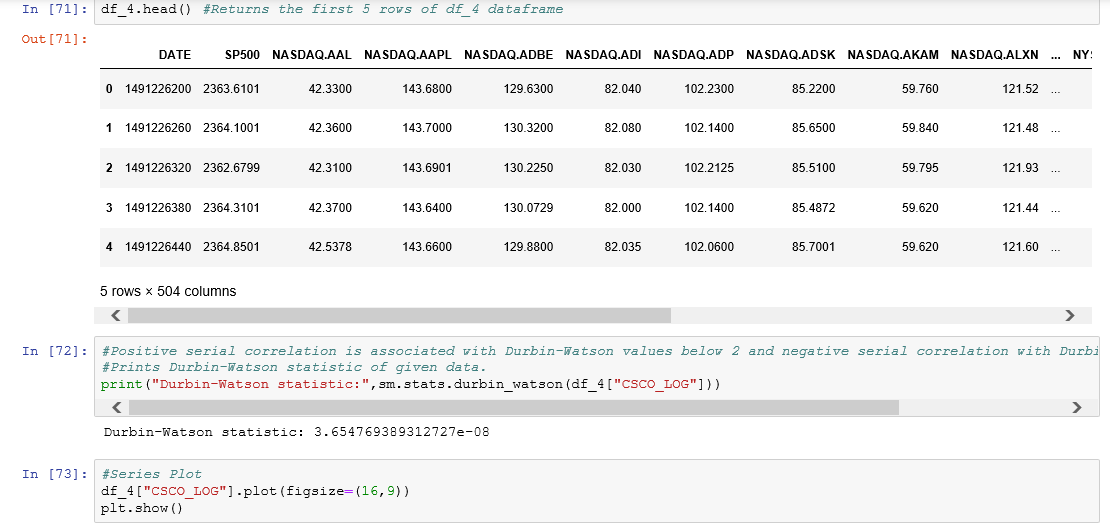
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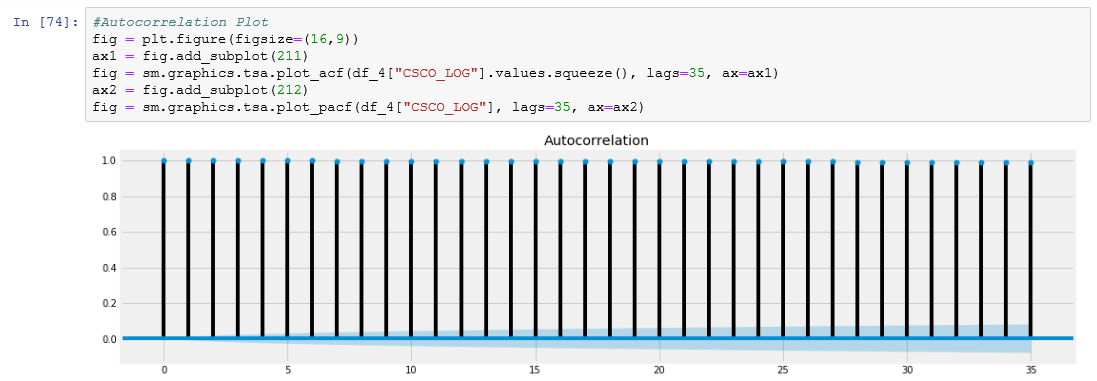
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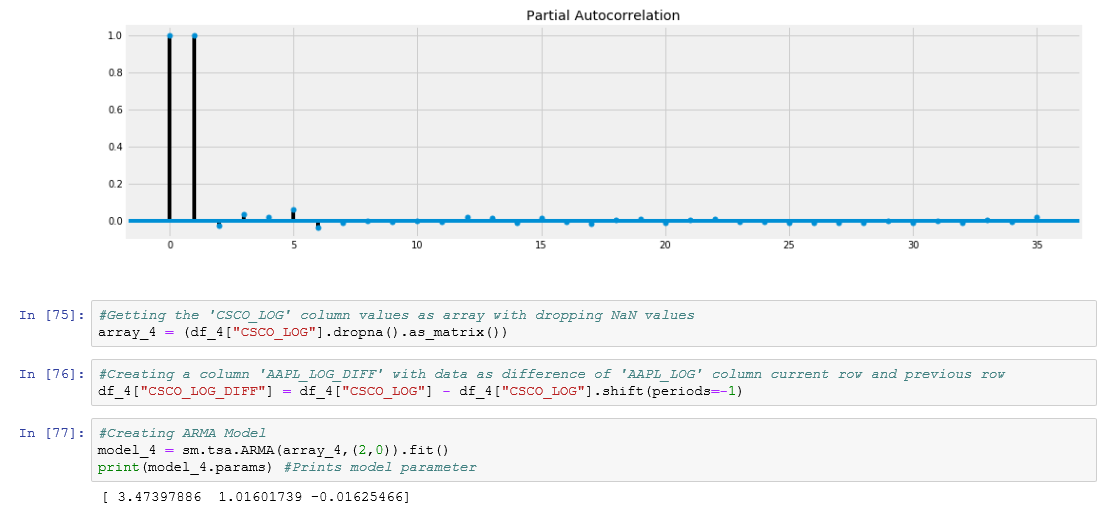
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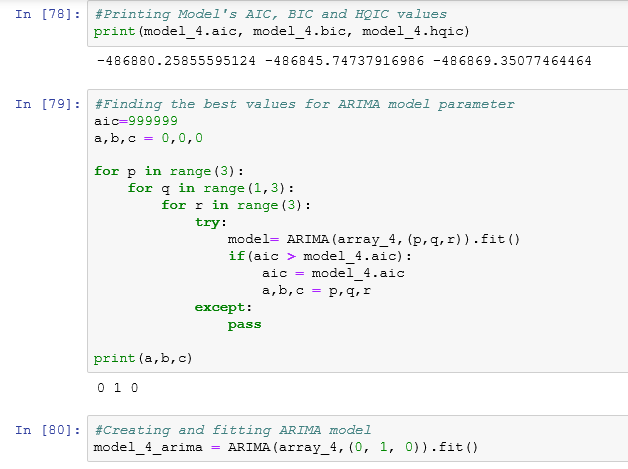
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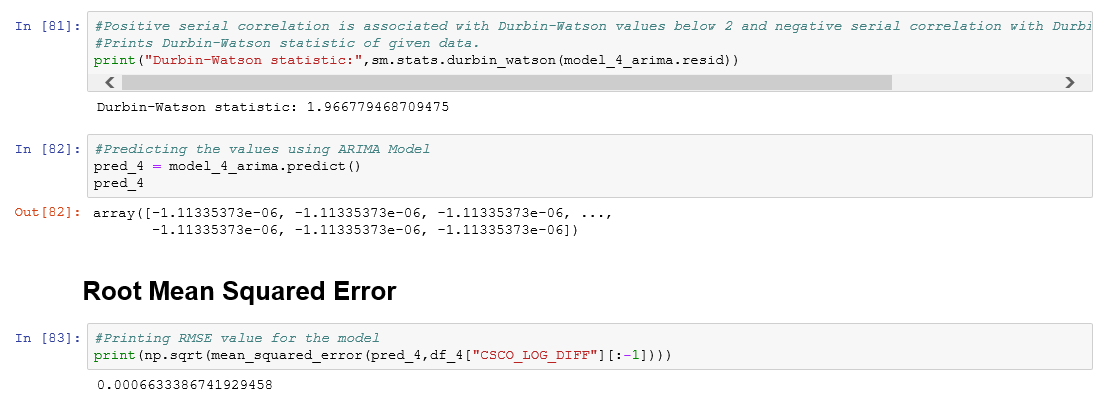
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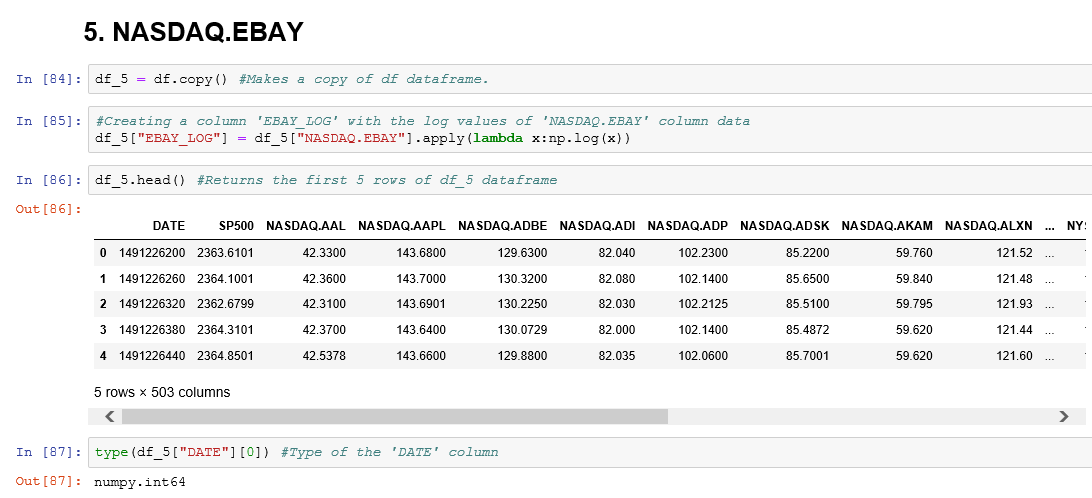
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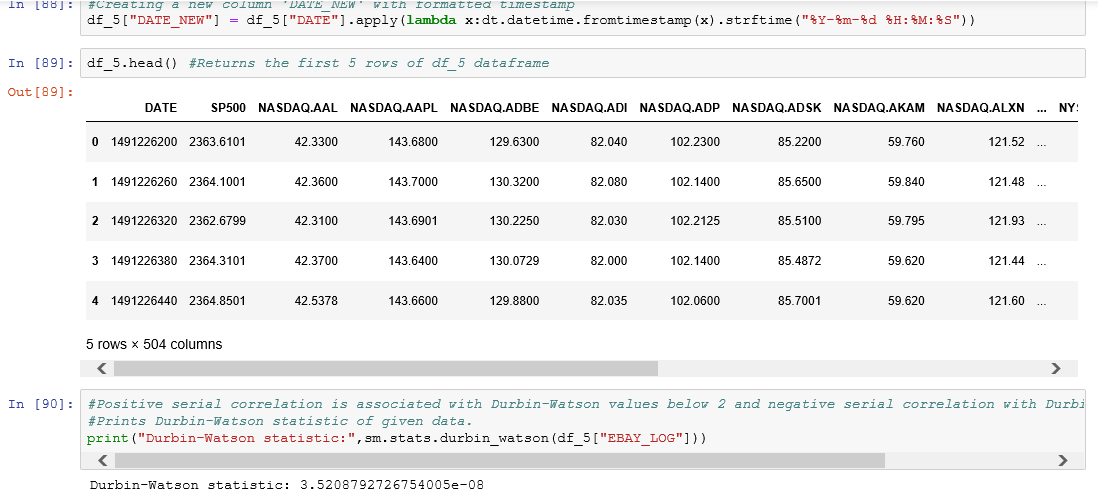
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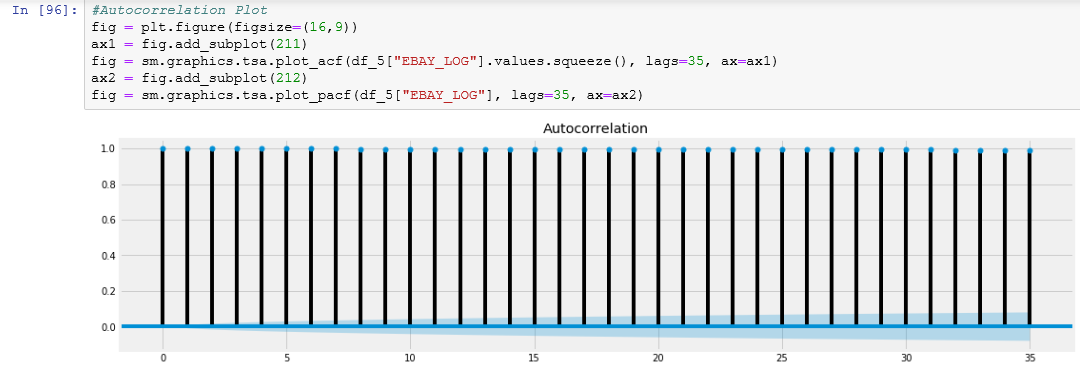
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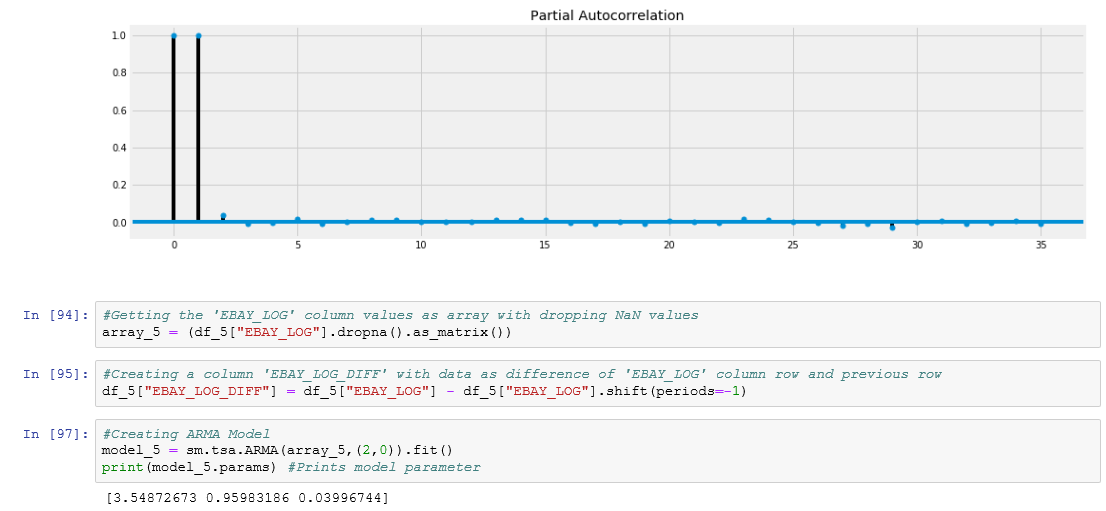
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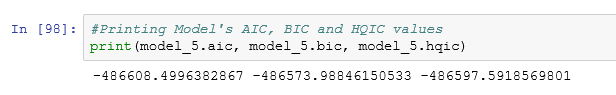
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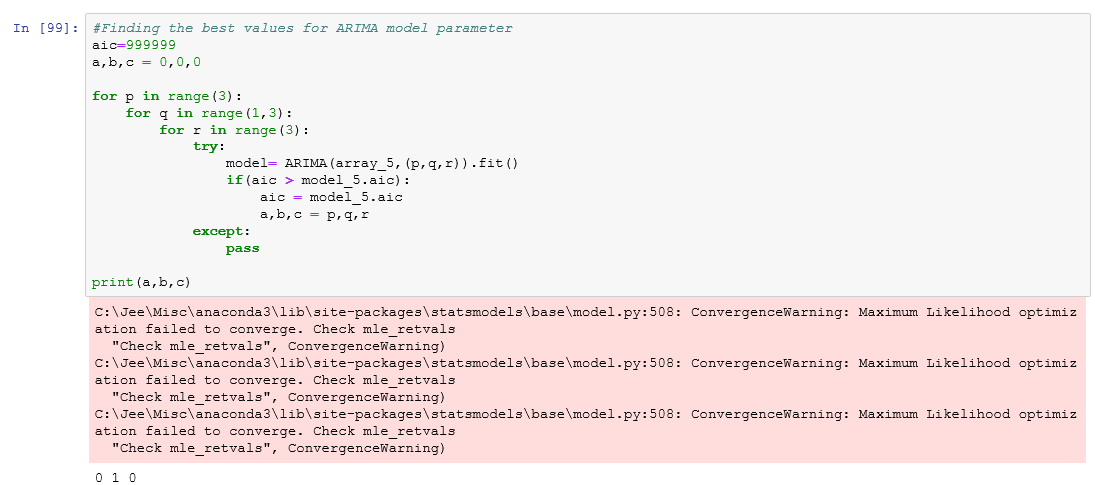
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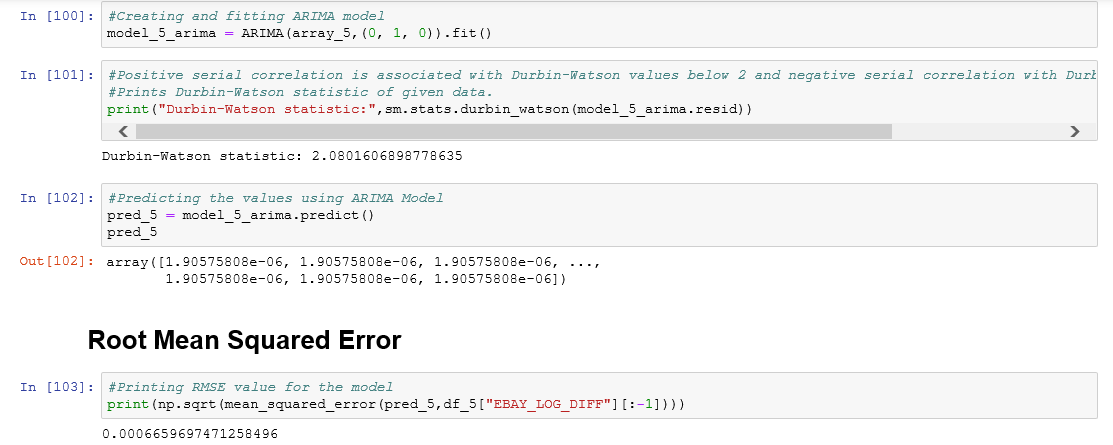
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