## TIME SERIES ANALYSIS OF AAPL STOCK

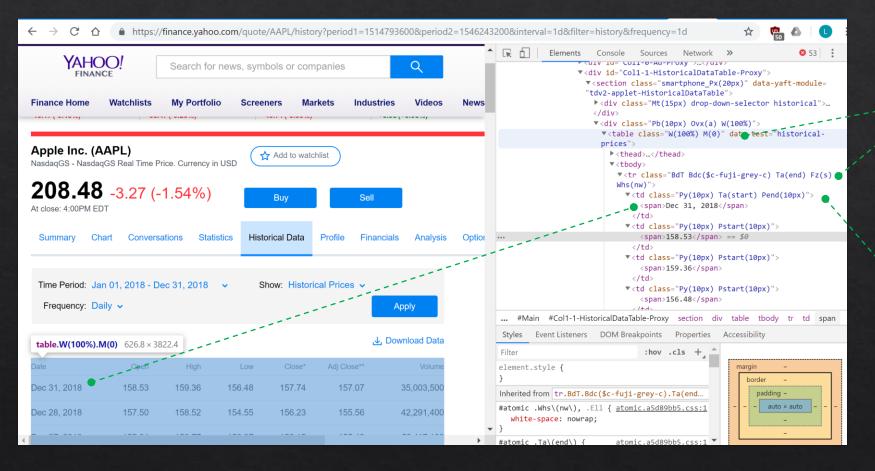
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UCLA Stats 418 – Tools in Data Science

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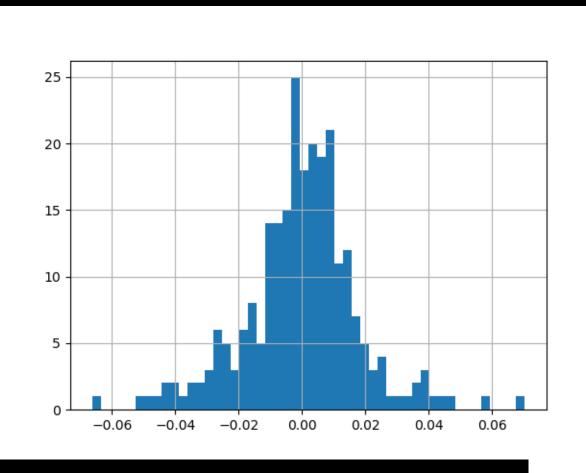


## Attaining the dataset – Web Scrap

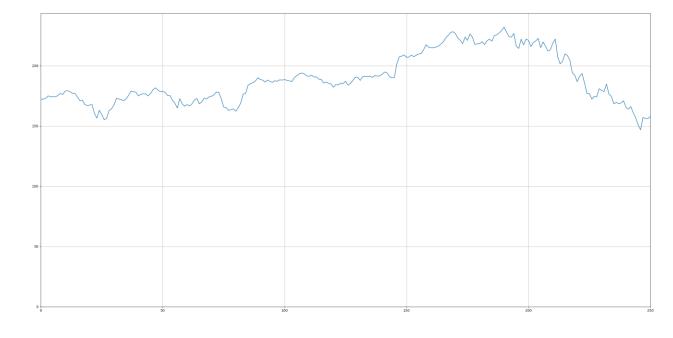


```
web soup = BeautifulSoup(web raw, 'html.parser')
web tables = web soup.find all('table')
web trs = web tables[0].find all('tr')
  web tds = web trs[row].find all('td')
```

## Exploratory Analysis



Histogram of the daily percent change



## Proposal

- Conduct Time series analysis on Apple stock price using the daily closing price
- ♦ Product: Given input historical stock price data, produce a forecast of the short term price with a 95% confidence interval