

American vs Indian Equity Market

A visualization of the effects of election results on
the equity markets and more..

Rana Putta
FE 550

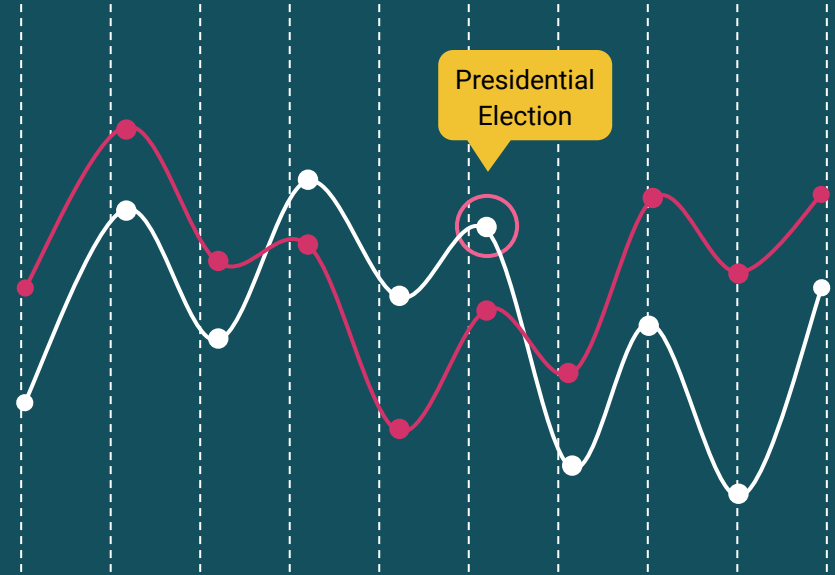
Prof. Moriarty
Stevens Institute of Technology

Research Questions

How are **different** indices within a country correlated?

Is there a **correlation** between the American Equity Market and Indian Equity Market?

How do election results **impact** the equity market in both countries?



Data

DJIA Futures ▲ 29956 0.59%

S&P 500 F ▲ 3665.75 0.71%

Stoxx 600 ▲ 392.46 0.16%

U.S. 10 Yr ▼ -1/32 Yield 0.911%

Crude Oil ▲ 47.47 1.02%

Euro ▼ 1.2139 0.03%

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MARKET DATA

3 major US indices

DOWJONES

**STANDARD
& POOR'S**

Nasdaq

2 major India indices

Nifty50

SENSEX

Tools Choice and Justification



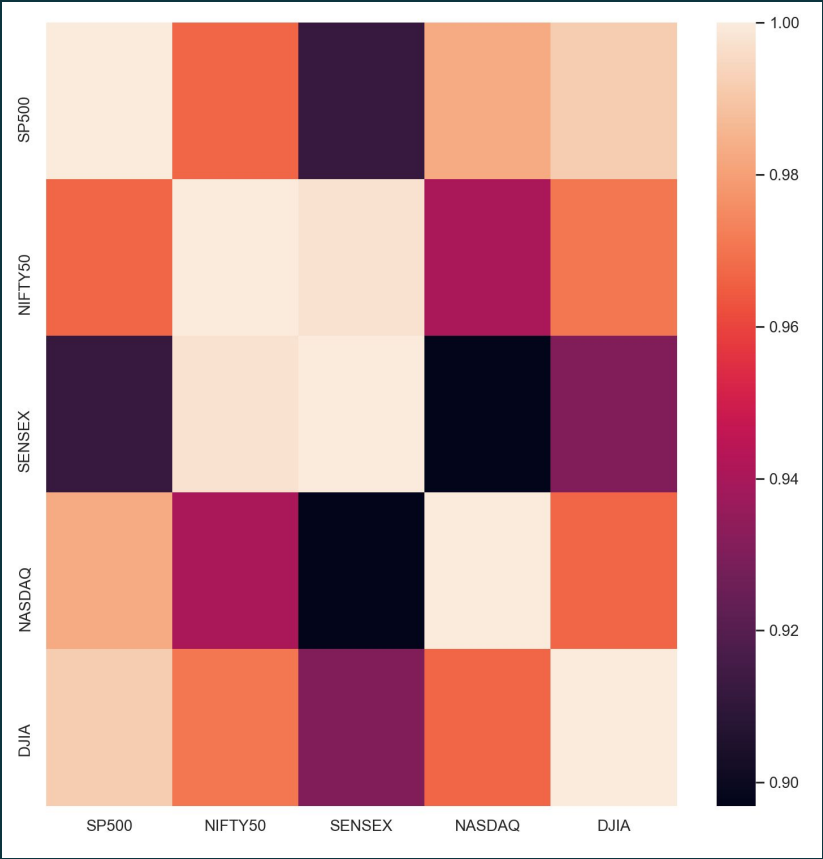
Data Processing and
manipulation



Data Visualization

	Date	Open	High	Low	Close
0	2000-01-03	5209.54	5384.66	5209.54	5375.11
1	2000-01-04	5533.98	5533.98	5376.43	5491.01
2	2000-01-05	5265.09	5464.35	5184.48	5357.00
3	2000-01-06	5424.21	5489.86	5391.33	5421.53
4	2000-01-07	5328.28	5463.25	5330.58	5414.48

	Date	Open	High	Low	Close
5173	2020-11-18	43978.58	44215.49	43785.78	44180.05
5174	2020-11-19	43902.24	44230.00	43518.11	43599.96
5175	2020-11-20	43732.14	44013.02	43453.75	43882.25
5176	2020-11-23	44164.17	44271.15	43747.22	44077.15
5177	2020-11-24	44341.19	44601.63	44247.12	44523.02



	SP500	NIFTY50	SENSEX	NASDAQ	DJIA
SP500	1.00	0.97	0.91	0.98	0.99
NIFTY50	0.97	1.00	1.00	0.94	0.97
SENSEX	0.91	1.00	1.00	0.90	0.93
NASDAQ	0.98	0.94	0.90	1.00	0.97
DJIA	0.99	0.97	0.93	0.97	1.00

