Nifty Stock Data – Group 1

Marwan Lloyd, Max Schleck, Skylar Shafter, Rachel Studer, James Wan

University of Wisconsin - Madison

**Introduction:**

**Body:**

**Conclusion:**

All the median durations of which a stock performed above the 50-day moving average resulted in 5 days. This indicates that the industry standard 50-days is appropriate at predicting how stocks will behave.

Graphical user interface, chart, histogram

Description automatically generatedGraphical user interface, chart, line chart, histogram

Description automatically generated 7 company stocks (Bajaj Auto Ltd, Colgate-Palmolive, Dabur Ltd, Hindustan Unilever Ltd, Indus Towers Ltd, Kotak Mahindra Bank Ltd, Reliance Industries Lt) were statistically shown (p-value < 0.05) to be stationary by the Augmented-Dickey Fuller test of stationarity. Upon plotting these time series, we noticed there is evidence of trends within each stock.

This leads us to conclude that none of our 100 stocks are truly randomly performing.