Is the New York Times Accurately Depicting Business News?
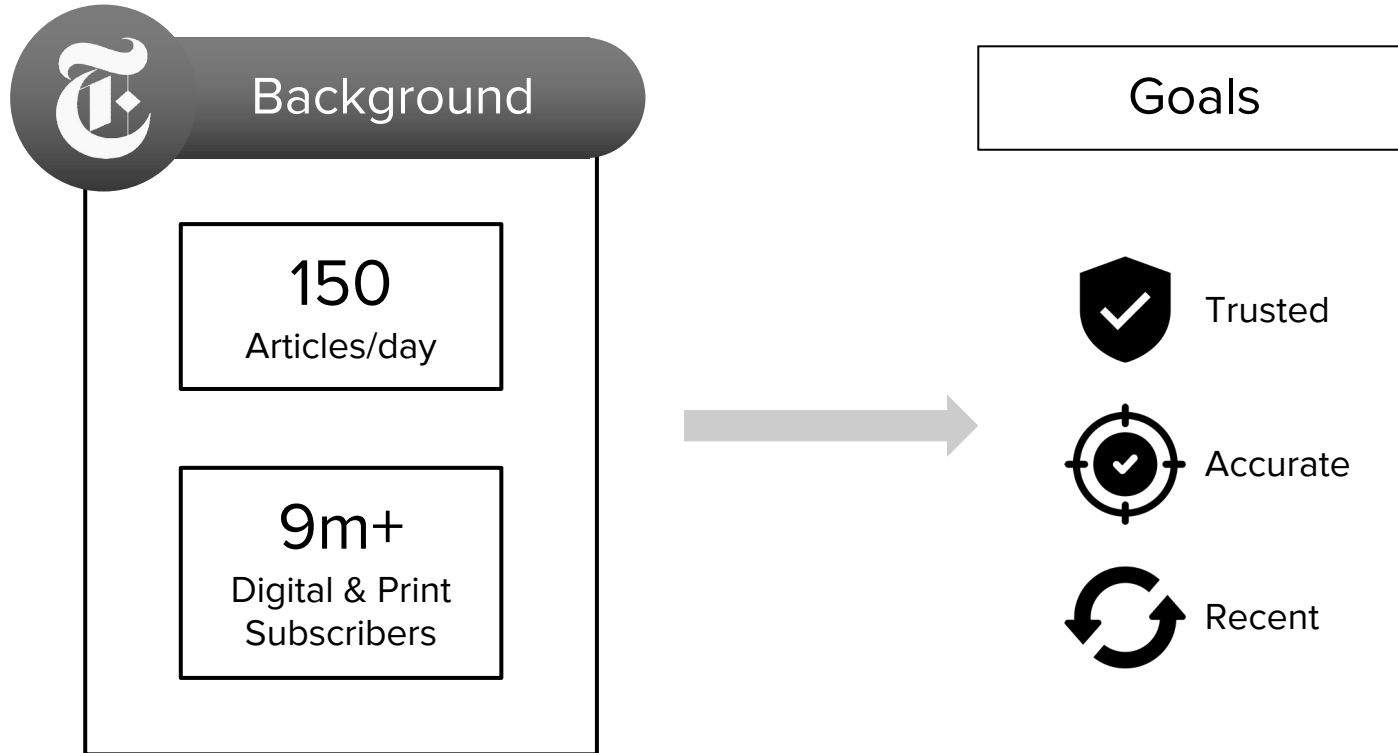
Vincent Paparang

Has the New York Times Served its Purpose?

Background

150
Articles/day

9m+
Digital & Print Subscribers

Goals

Trusted

Accurate

Recent

Data Sourcing and Processing

{𝕿} Developers

Times Wire API

Real-time feed of NYT article publishes.

1000 Article Titles

Took the titles of the past 1000 business articles released

S&P500 Daily Change

Used as a measure of financial performance to reference

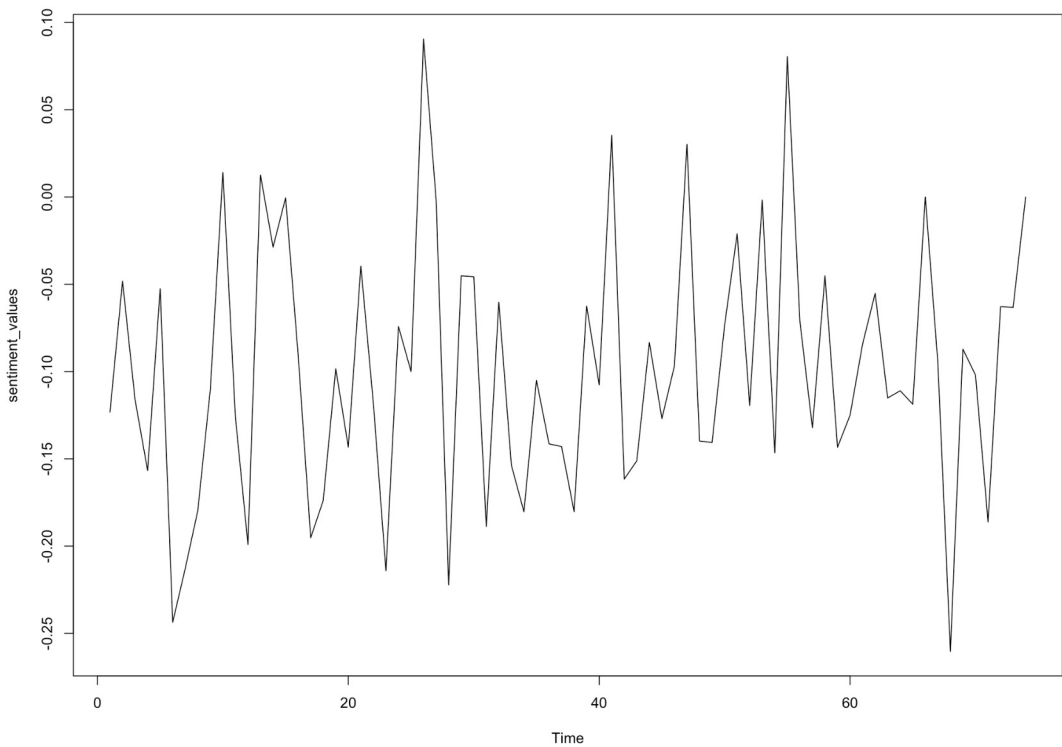# Sentiment Analysis

Loughran-Mcdonald Polarity Library

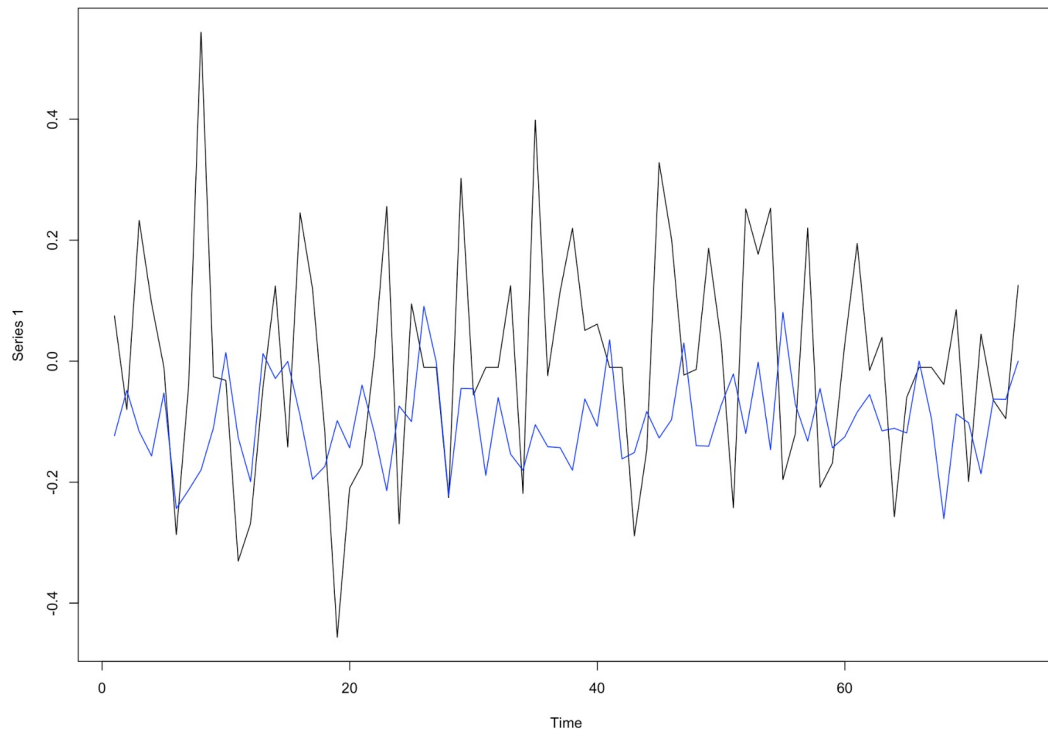Times Series plot validating on the S&P500

Sentiment Analysis

	Date	mean_value	Observed[,1]
1	2022-11-18	-0.1232511153	0.074838185
2	2022-11-21	-0.0482625618	-0.079849077
3	2022-11-22	-0.1162095211	0.232731132
4	2022-11-23	-0.1567050439	0.095531050
5	2022-11-25	-0.0525344490	-0.010335299
6	2022-11-28	-0.2436546511	-0.286766984
7	2022-11-29	-0.2128306704	-0.038828484
8	2022-11-30	-0.1797557724	0.543594842
9	2022-12-01	-0.1102047288	-0.025864345
10	2022-12-02	0.0140216984	-0.031717270
11	2022-12-05	-0.1263025006	-0.330620965
12	2022-12-06	-0.1991407167	-0.268064472
13	2022-12-07	0.0125572878	-0.043668334
14	2022-12-08	-0.0287479787	0.124296298
15	2022-12-09	-0.0005003305	-0.141882924
16	2022-12-12	-0.0905215489	0.245247801
17	2022-12-13	-0.1952500082	0.120141974
18	2022-12-14	-0.1738729763	-0.118673480
19	2022-12-15	-0.0983770878	-0.456405158
20	2022-12-16	-0.1433222518	-0.209689151
21	2022-12-19	-0.0396214426	-0.171559223
22	2022-12-20	-0.1185496344	0.008231182
23	2022-12-21	-0.2141024230	0.255784856
24	2022-12-22	-0.0742307489	-0.269004161
25	2022-12-23	-0.0999730063	0.094696963
26	2022-12-26	0.0905231891	-0.010335299

Results

Summary Statistics

0.225
RMSE

0.176
MAE

259.201
MAPE

Thank You!