

ECS 273: Visual Analytics

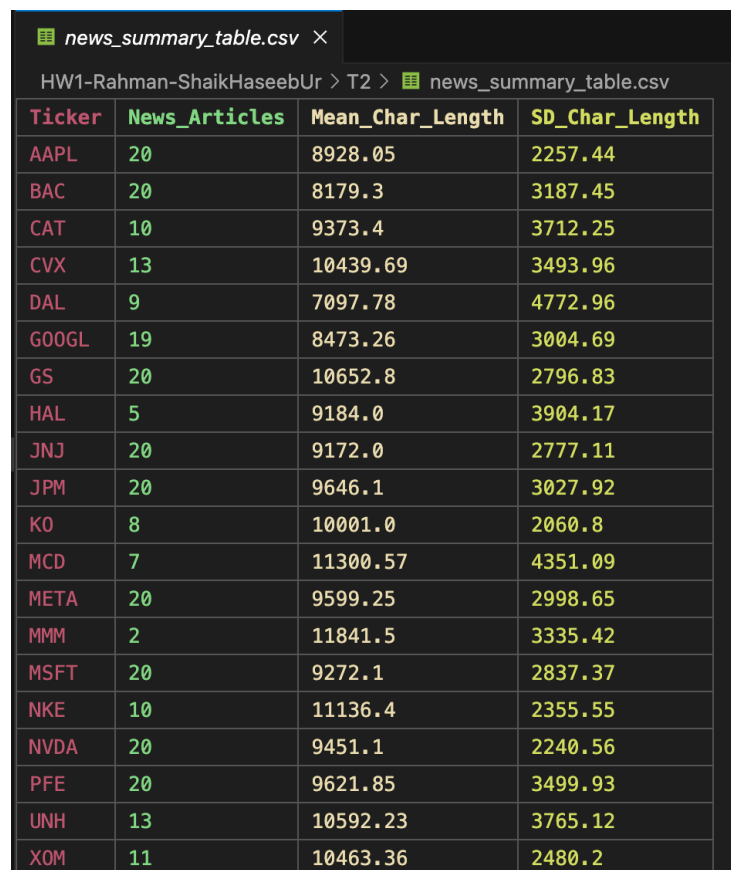
HW#1: Collecting data and conducting simple explorative analysis

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Task 2 | Part 2

In the below table, the first column represents tickers of the 20 stocks provided in the questionnaire. The second column represents the number of news articles scraped for each of the 20 stocks, and the third and fourth columns represent the Mean and Standard Deaviation respectively, of the news' character length of each ticker's articles over a period of 3 days.



Ticker	News_Articles	Mean_Char_Length	SD_Char_Length
AAPL	20	8928.05	2257.44
BAC	20	8179.3	3187.45
CAT	10	9373.4	3712.25
CVX	13	10439.69	3493.96
DAL	9	7097.78	4772.96
GOOGL	19	8473.26	3004.69
GS	20	10652.8	2796.83
HAL	5	9184.0	3904.17
JNJ	20	9172.0	2777.11
JPM	20	9646.1	3027.92
KO	8	10001.0	2060.8
MCD	7	11300.57	4351.09
META	20	9599.25	2998.65
MMM	2	11841.5	3335.42
MSFT	20	9272.1	2837.37
NKE	10	11136.4	2355.55
NVDA	20	9451.1	2240.56
PFE	20	9621.85	3499.93
UNH	13	10592.23	3765.12
XOM	11	10463.36	2480.2

Figure 1: Table listing the mean and standard deviation of the news' character length of each ticker

Below is the box plot visualization, which represents the article length distributions across 20 stocks over the past 3 days:

- The x-axis displays the stock ticker symbols (e.g., AAPL, META, KO)
- The y-axis represents the news' character length of all the articles content extracted for each stock ticker symbol

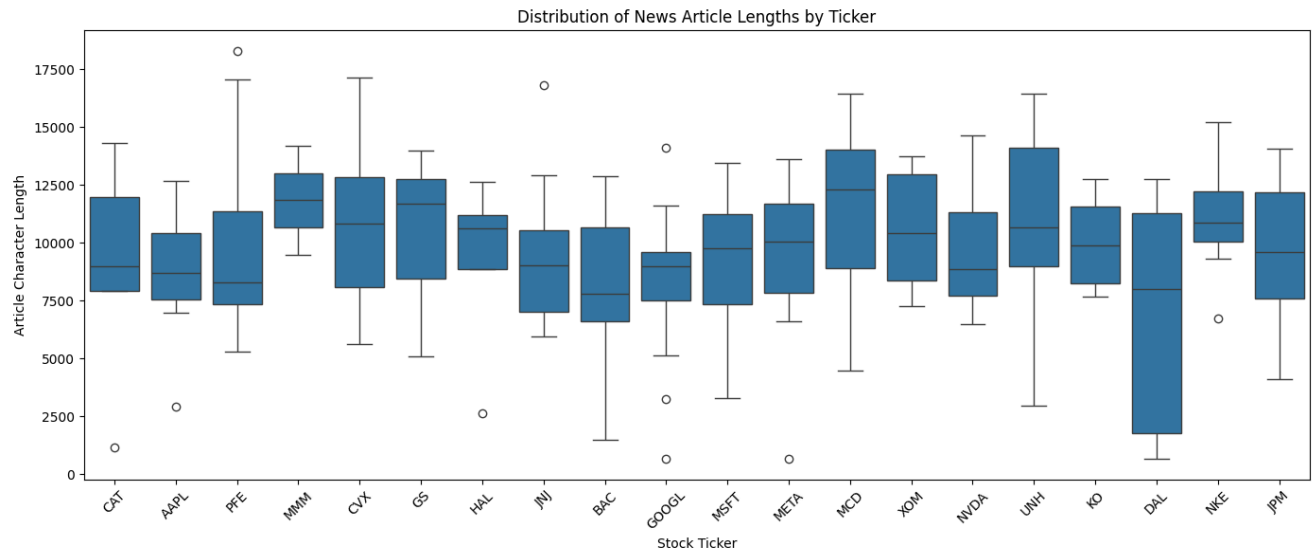


Figure 2: Box Plot Visualization comparing the article length distributions across 20 companies