WorldData.AI RMDS Lab Hackathon Dataset Guide

Table of Content

Hackathon Dataset Bucket Link

Dataset Link: https://worlddata.ai/bucket/RajdeepGolecha/RMDS_WorldDataAI

Hackathon Dataset Overview

The dataset bucket consists of the list of datasets required for the competition.

Overview of the Datasets

1. GLOBAL FINANCIAL NEWS SOURCES:
   This is a text analytics database. Which contains extract news articles from the sources attached with a self-service analytics dashboard.

2. CONSUMER SENTIMENT
   This is a monthly database from surveys of consumers from the University of Michigan and contains three important indicators: Index of Consumer Sentiment, Current Economic Conditions, and Index of Consumer Expectations.

3. COMMODITY PRICES
   This database covers the global price for Ice Brent Crude Oil Futures, Brent Crude Oil, Wti Crude Oil with different measures Change, Volume, Settle, Open, Low and Value.

4. GLOBAL STOCK EXCHANGE DATA
   This dataset comprises daily stock market data from the New York Stock Exchange and covers Exxon, BP and Chevron companies closing prices.

5. STOCK MARKET INDICATORS & INDEX
   This dataset from FRED. It covers the daily index for Dow Jones, S&P 500 and NASDAQ.

6. FINANCIAL STATEMENT
   This is a company's Annual and Quarterly financial statement published in SEC. It covers the Balance Sheet, Cash Flow and Income Statements details for companies such as BP, Chevron and Exxon Mobil.
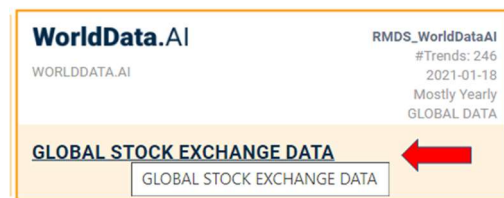
Getting snapshot of the Database

To get a glance over the database attributes, hover over the white area and click on any database tile
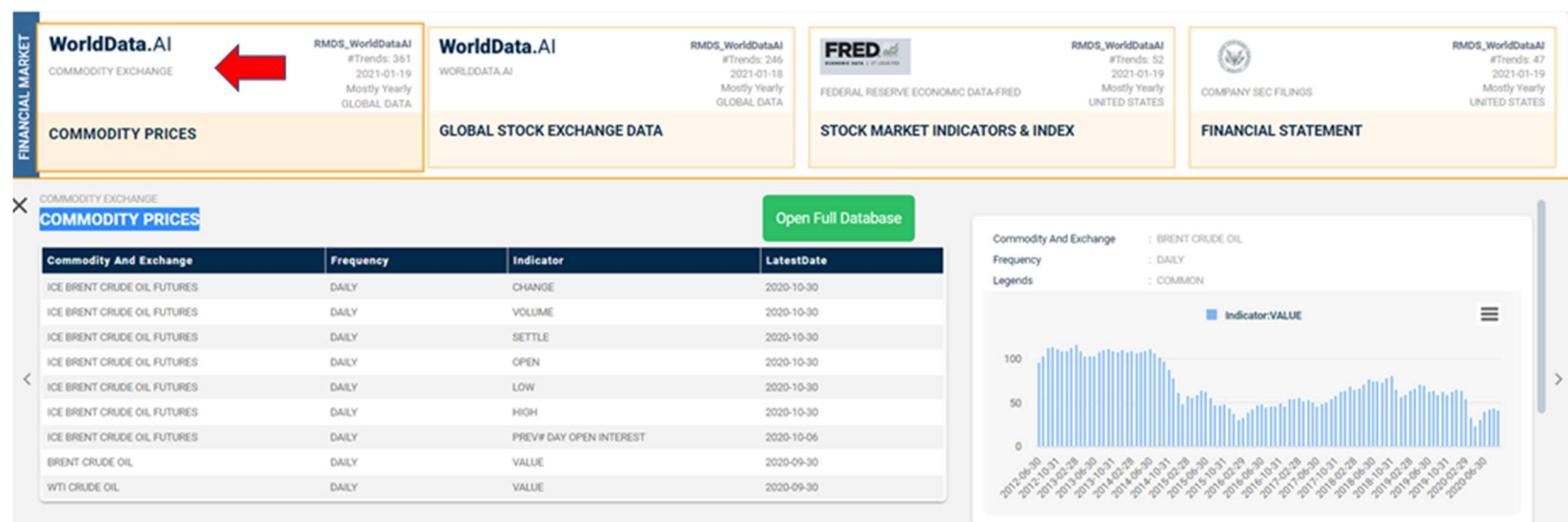
To access the full database, click on the "Open Full Database".

How to download the data?

Step 1: Choose and click on any dataset you wish to download

Step2: Get into the dataset viewer page.

Here you can see the complete dataset. This dataset contains selected attributes. Users can filter for required attributes using the filter provided.

Step 3: Download data using the export button.

After selecting the attributes, you wish to download from the database, click on the 'Download Data' and click 'Download CSV' to download anything below 100 datasets; for bigger dataset download, use the 'Bulk Download' option.

After clicking on the 'Bulk Download', you will receive an email with a download link to the registered email ID. Using that link, you can download the file directly.
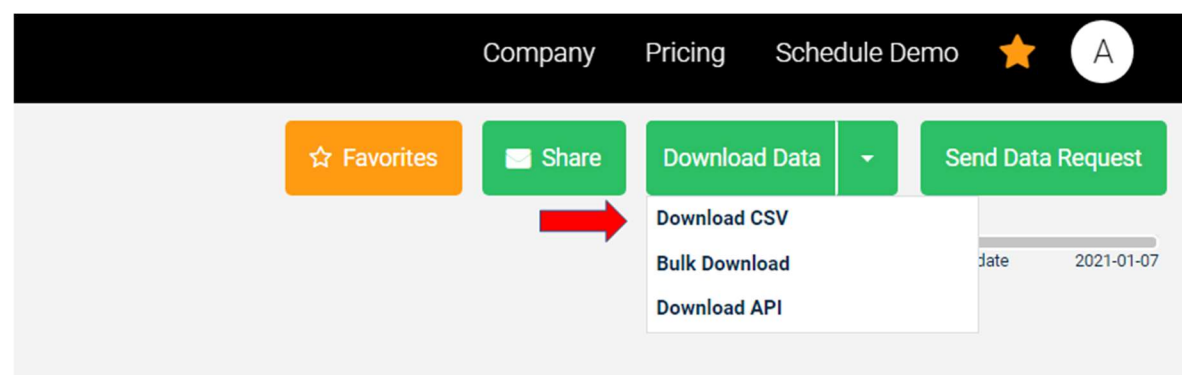
Details on Download Files

Downloaded files have data (Values) at the first column. The rest are metadata for the selected attributes.

	A	B	C	D	E	F	G	H
1	Value	Date	Sub-Sector	latestDate	Super Region	Attribute	Sector	Source
2	106.7	2016-04-30	CONSUMER SENTIMENT	2020-12-31	UNITED STATES	CURRENT INDEX	MACROECONOMICS, FINANCE	UNIVERSITY OF MICHIGAN
3	103.6	1984-10-31	CONSUMER SENTIMENT	2020-12-31	UNITED STATES	CURRENT INDEX	MACROECONOMICS, FINANCE	UNIVERSITY OF MICHIGAN
4	78.1	1982-12-31	CONSUMER SENTIMENT	2020-12-31	UNITED STATES	CURRENT INDEX	MACROECONOMICS, FINANCE	UNIVERSITY OF MICHIGAN
5	100.6	2001-06-30	CONSUMER SENTIMENT	2020-12-31	UNITED STATES	CURRENT INDEX	MACROECONOMICS, FINANCE	UNIVERSITY OF MICHIGAN

How to work with News, Sentiment

Search anything in the news database using the search engine.
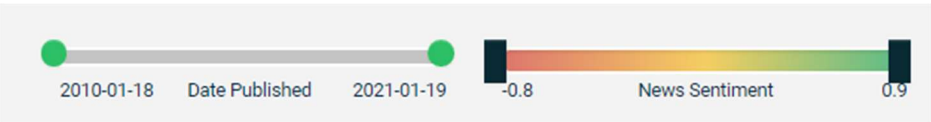

Interactive Dashboard

Use a time controller knob to choose the appropriate timeline and a sentiment controller knob to set the sentiment index range.

Interactive Dashboard Features

Daily News Sentiment Index shows positive and negative sentiment ranging from -1 to 1 in the daily news articles.

Quick reference meter gives a sentiment score for the day and the last 30 days average.

Chart 1

News Articles:
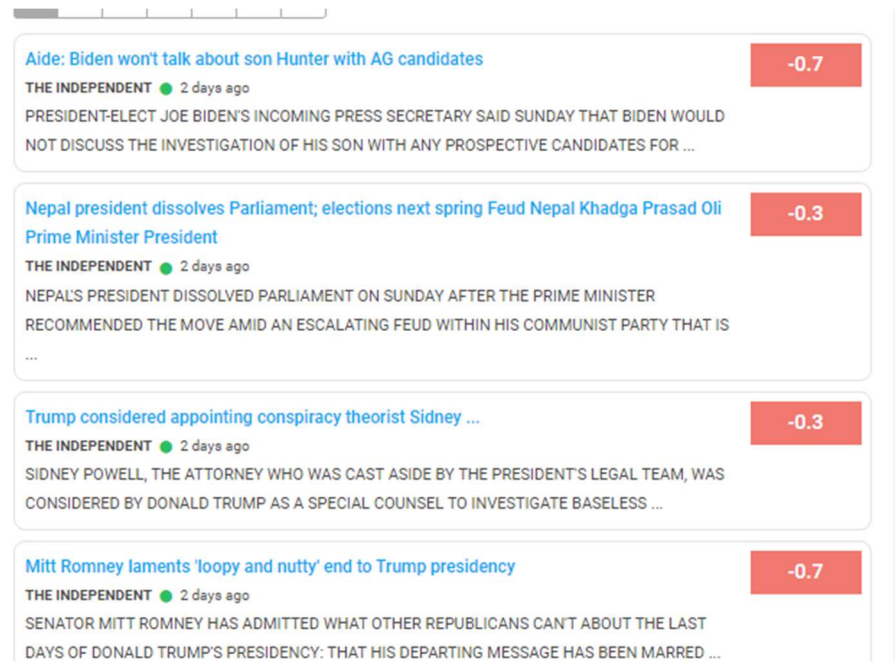Algorithm-based sentiment Score for
each news article.

Aide: Biden won't talk about son Hunter with AG candidates   **-0.7**
THE INDEPENDENT · 2 days ago
PRESIDENT-ELECT JOE BIDEN'S INCOMING PRESS SECRETARY SAID SUNDAY THAT BIDEN WOULD
NOT DISCUSS THE INVESTIGATION OF HIS SON WITH ANY PROSPECTIVE CANDIDATES FOR ...

Nepal president dissolves Parliament; elections next spring Feud Nepal Khadga Prasad Oli   **-0.3**
Prime Minister President
THE INDEPENDENT · 2 days ago
NEPAL'S PRESIDENT DISSOLVED PARLIAMENT ON SUNDAY AFTER THE PRIME MINISTER
RECOMMENDED THE MOVE AMID AN ESCALATING FEUD WITHIN HIS COMMUNIST PARTY THAT IS
...

Trump considered appointing conspiracy theorist Sidney ...   **-0.3**
THE INDEPENDENT · 2 days ago
SIDNEY POWELL, THE ATTORNEY WHO WAS CAST ASIDE BY THE PRESIDENT'S LEGAL TEAM, WAS
CONSIDERED BY DONALD TRUMP AS A SPECIAL COUNSEL TO INVESTIGATE BASELESS ...

Mitt Romney laments 'loopy and nutty' end to Trump presidency   **-0.7**
THE INDEPENDENT · 2 days ago
SENATOR MITT ROMNEY HAS ADMITTED WHAT OTHER REPUBLICANS CAN'T ABOUT THE LAST
DAYS OF DONALD TRUMP'S PRESIDENCY: THAT HIS DEPARTING MESSAGE HAS BEEN MARRED ...

Chart 2

Total Average Sentiment:
Averaging all news articles
sentiment scores by the sources.
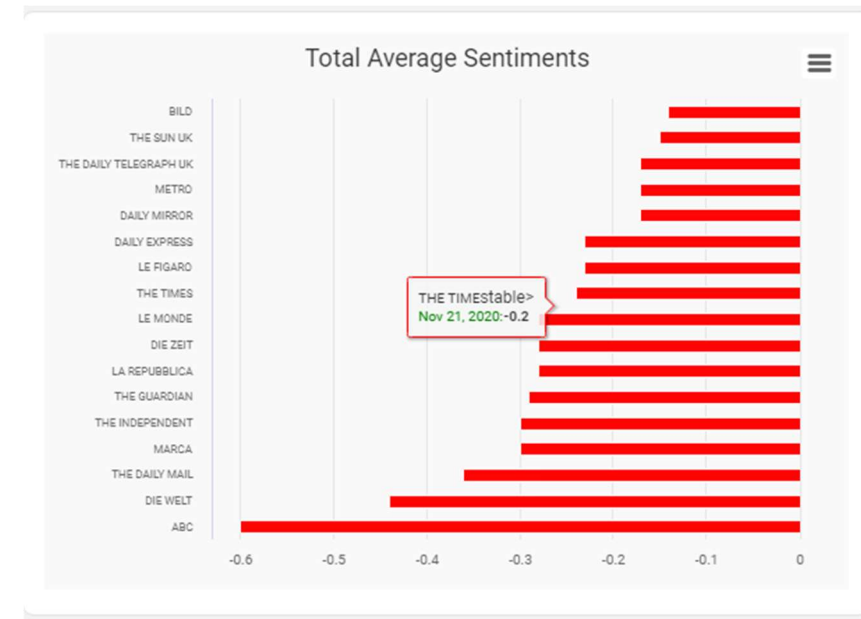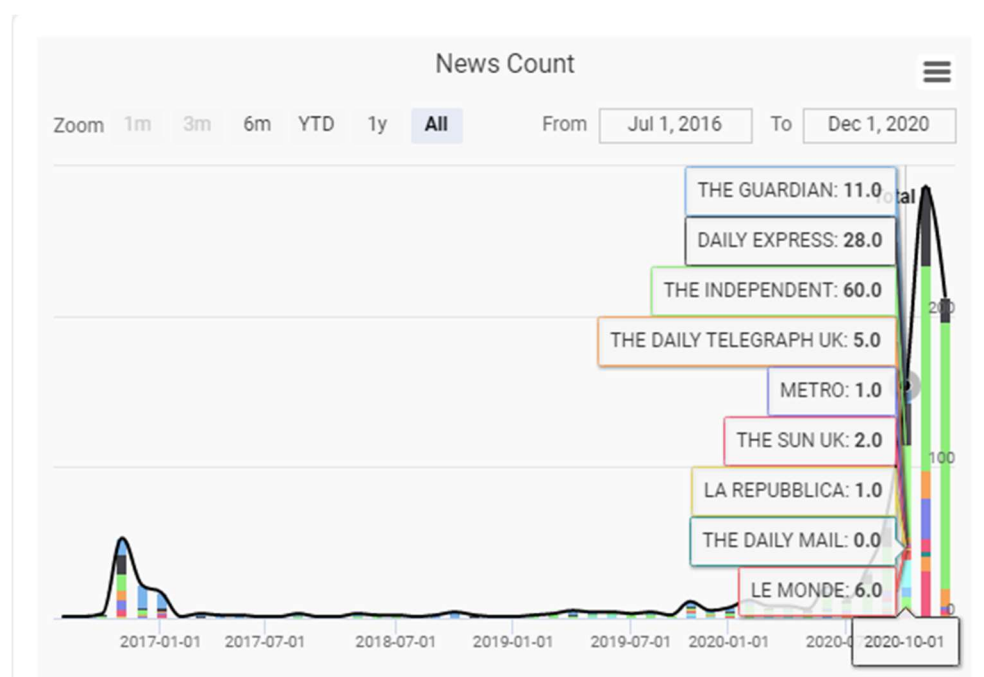

Total Average Sentiments

Chart 3:

News Count:
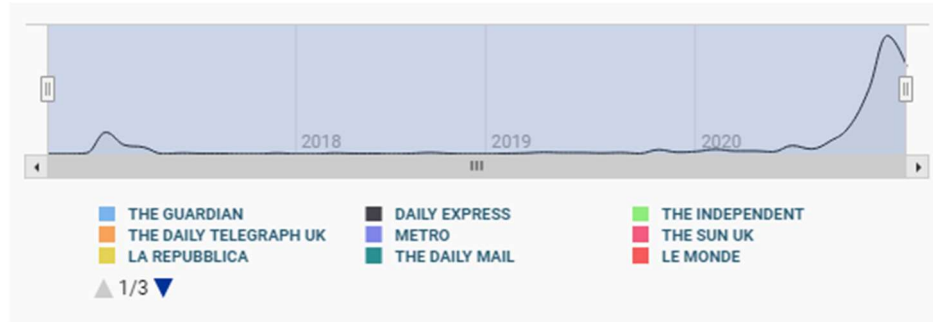Number of a daily news release by
the sources.

News Count
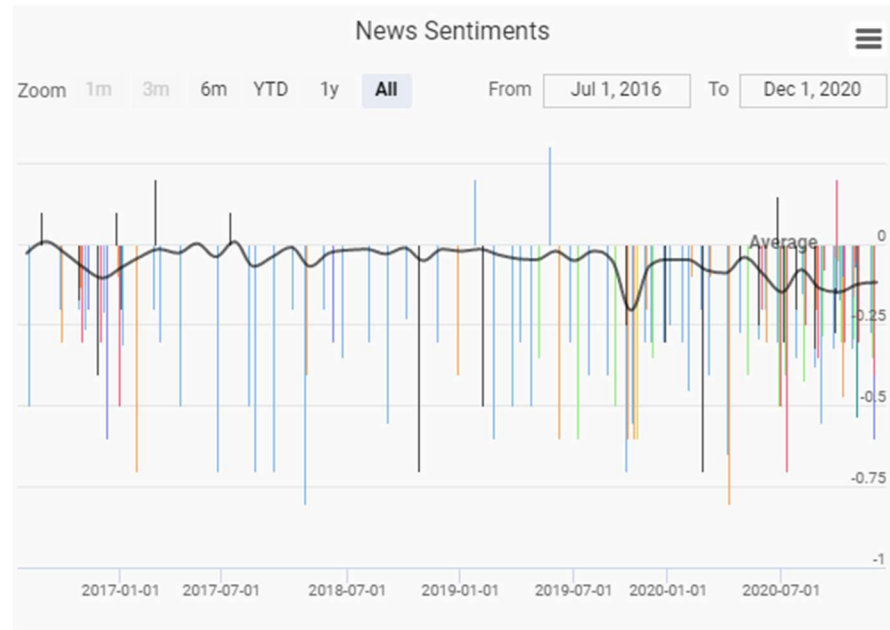
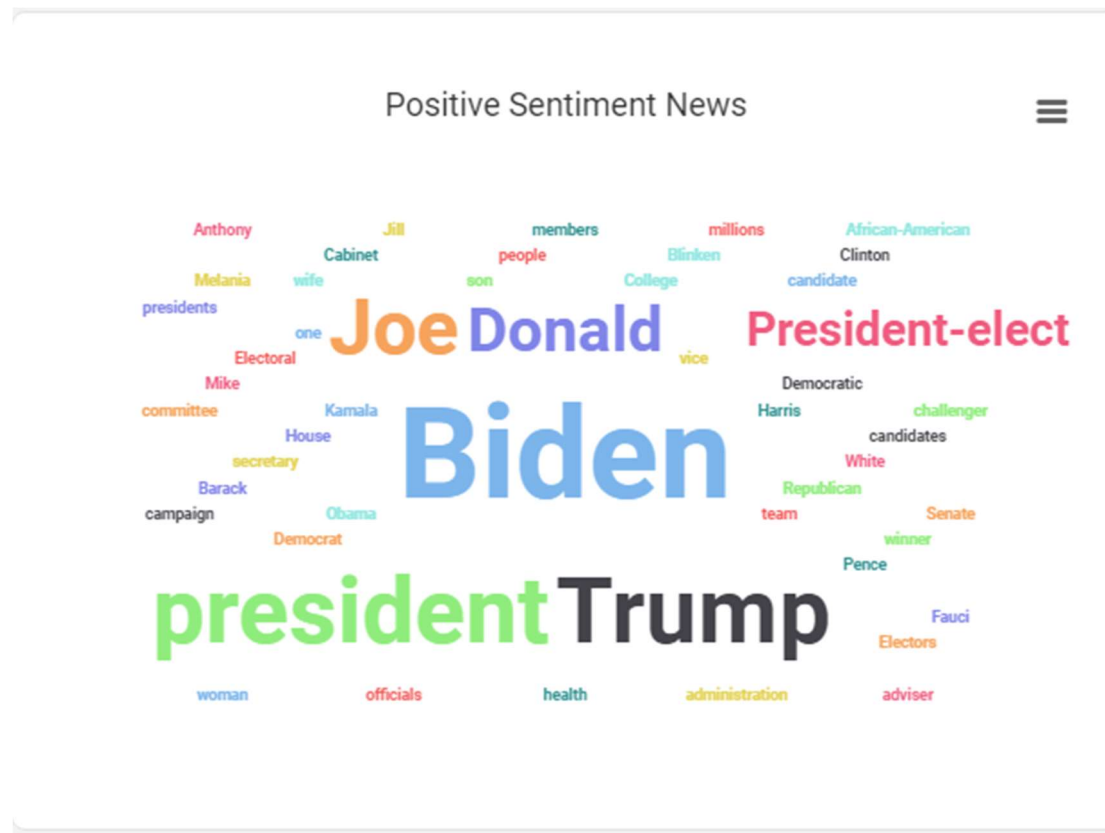Chart 3.1

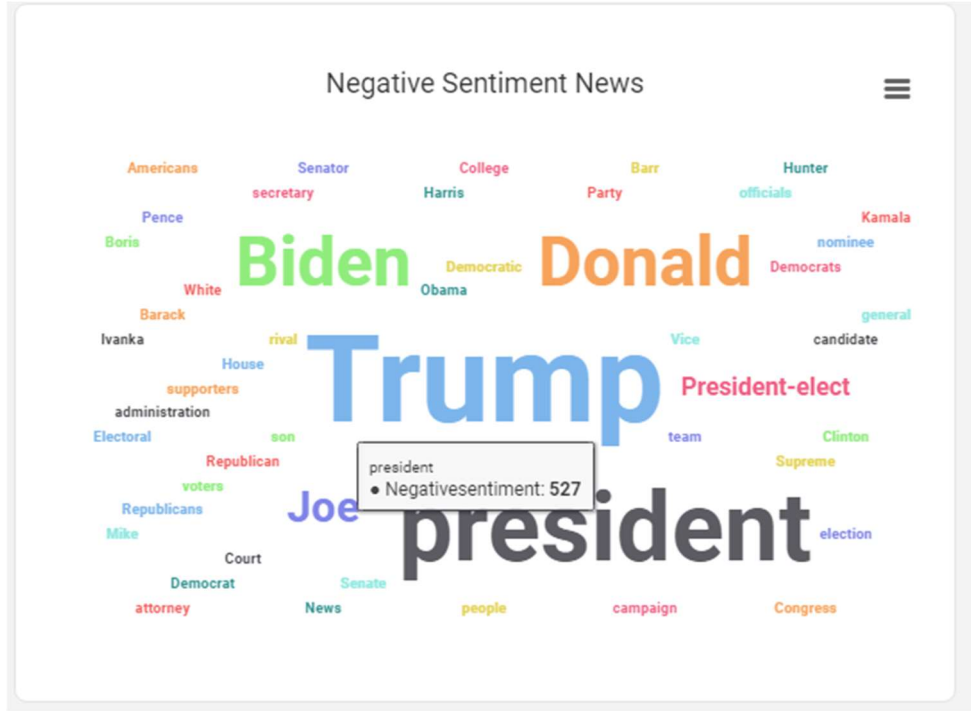Overall news trend for search related news.
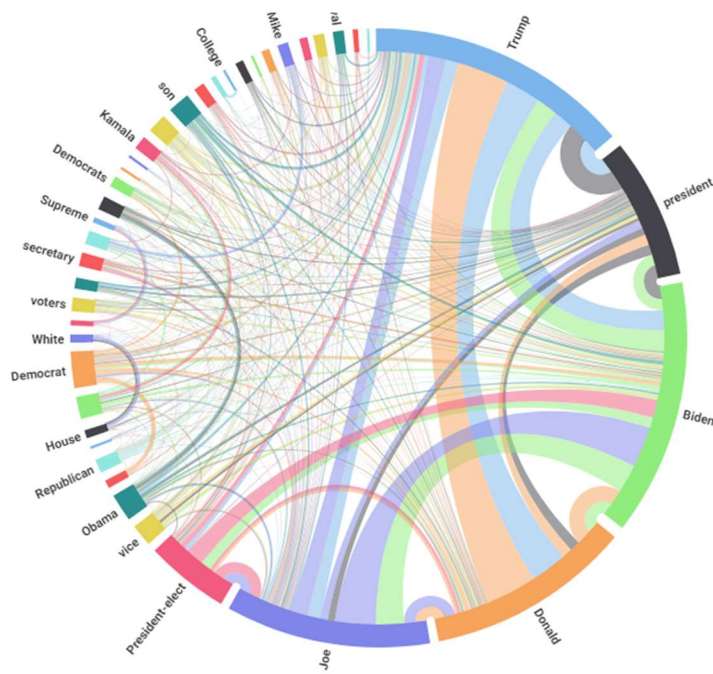

Chart 4:

Sentiment Score by Source

Polarity Word Tree

News Dependency Wheel

This color-coded circle represents how persons or organization relates to the news

- The length of the Arc shows the magnitude of the person or organization relates to the news

- Hover over the mouse will show the branch and further connection to the issues.

- By clicking any arc, we can drill down the analysis by a particular factor and find how it connected further

- By canceling the chips filter at the top, we can retrieve the original search of the news dependency wheel

Thank You!

Contact Us for any further questions.
contactus@worlddata.ai