

Live Data Dashboard

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ABSTRACT

A data dashboard is an information management tool that visually tracks, analyzes and displays key performance indicators (KPI), metrics, measures and key data points to monitor the health of a business, department or specific process. They are customizable to meet the specific needs of the project or analysis. Behind the scenes, a dashboard connects to your files, datasets, attachments, services and API's, but on the surface displays all this data in the form of tables, line, bar or heat charts, gauges and other types of visualizations. A data dashboard is the most efficient way to track multiple data sources because it provides a central location for businesses to monitor and analyze performance. In this project we try to build an interactive dashboard based on our collected data and hopefully,

KEYWORDS

Social Media, Twitter, 4Chan, Dashboard, Tweets, Data Analysis

DATA SOURCE

We shall use the Twitter data we collected over a period and analyzed the sentiments of the comments based on the measures of polarity and subjectivity. We also collected similar data from 4/Chan platform but since the data generated from it was far less than Twitter, the sentiment analysis results were different.

METHODOLOGY

For creating data visualizations and dashboards, there are several tools, library packages, web applications and softwares available.

From our data Analysis project, we shall be visualizing the results of our first two research questions.

1. Sentiments of people on US Presidential Elections 2020 with measurements such as anxiety, frustration, and happiness
2. Measurement of toxicity and extreme radical language on Twitter and 4Chan in comments, posts, and Tweets.

For this project, we shall first try to create dashboards using python using libraries – *dash* and *plotly*. But as a backup plan, are eyeing to experiment with PowerBI and Google Data Studio, too, which are web-based applications.

4. REFERENCES

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