

User Manual
Sentiments Analysis with Twitter
Team Jazz Men

Anagh Goswami 1217426
Meet Pandya 1214306
Jasman Gill 1211554
Jesse Truong 1222722
Jia Xu 1213268

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Revision History

Date	Comments
February 22, 2017	First Draft.

Table 1: Revision History Table

1 Introduction

1.1 What is Sentiments Analysis?

Social Media Sentiment Analysis or just Sentiment Analysis is an engine that determines feelings towards certain topics using social media (e.g. Twitter). Sentiment Analysis will generate scores depending on the sentence structure and choice of words used. Sentiment Analysis utilizes the Alchemy Language API with various social media API and is then presented on a web page to allow users to view the general opinion on various categories (e.g. athletes, schools, restaurants, etc.)

1.2 Objectives of User Manual

This user manual provides a simple overview on how to use the Sentiment Analysis web application. The manual provides an overview on the functionalities of the system. It also provides a guideline on troubleshooting in case of an error occurring.

1.3 System Requirements

1.3.1 PC Requirements

Below are the different Operating Systems compatible for Sentiments Analysis

- Windows OS (7+)
- Mac OS
- Linux OS

1.3.2 Browser Requirements

Since Sentiments Analysis is an online web application, essentially it is accessible on browsers listed below on any Computer with Internet Connection.

- Google Chrome (54+)
- Microsoft Edge

- Microsoft Internet Explorer (11.0.9600.185 +)
- Mozilla Firefox (50+)
- Safari (9.1.3+)

2 Functionalities and Operations

2.1 Homepage

User arrives at the Sentiment Analysis homepage and can easily see textual information about what is Sentiment Analysis. It also provides a quick overview on how to operate the home page with instructions along every step of the way as users scroll through (Figure 1 and Figure 2).

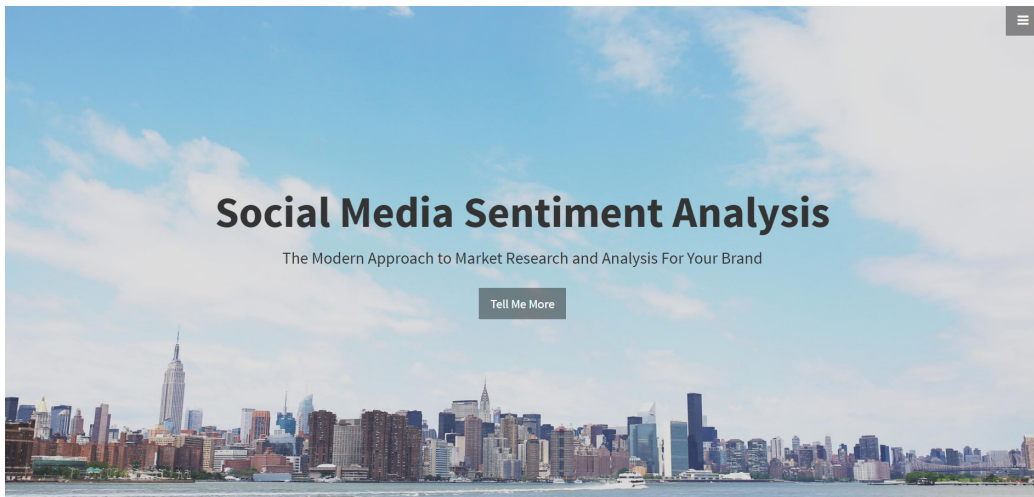





Figure 1: Title

Using Modern Day Technology

By combining the power of Social Media , Natural Language Processing  and Sentiment Analysis , we can give you a real look at what people are saying about your organization.

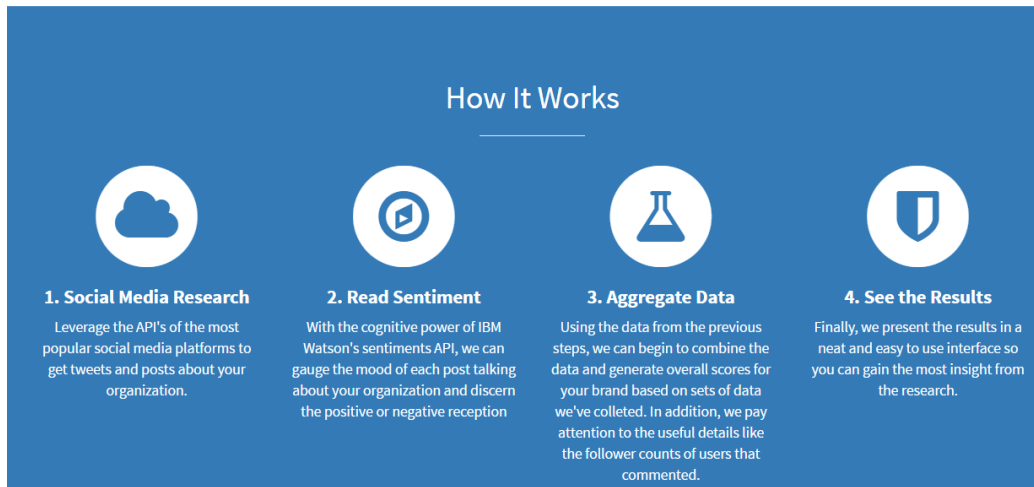


Figure 2: How it Works

2.1.1 Demo Section

Further down the web page there is a demo section for the Sentiment Analysis. It currently includes four categories: TV Shows, Universities, Athletes, and Restaurants. Once a user selects any one of those categories, the web-page will display four different items related to the category. The Sentiment Analysis will display a report for said category with an overall score as well as individual tweets.

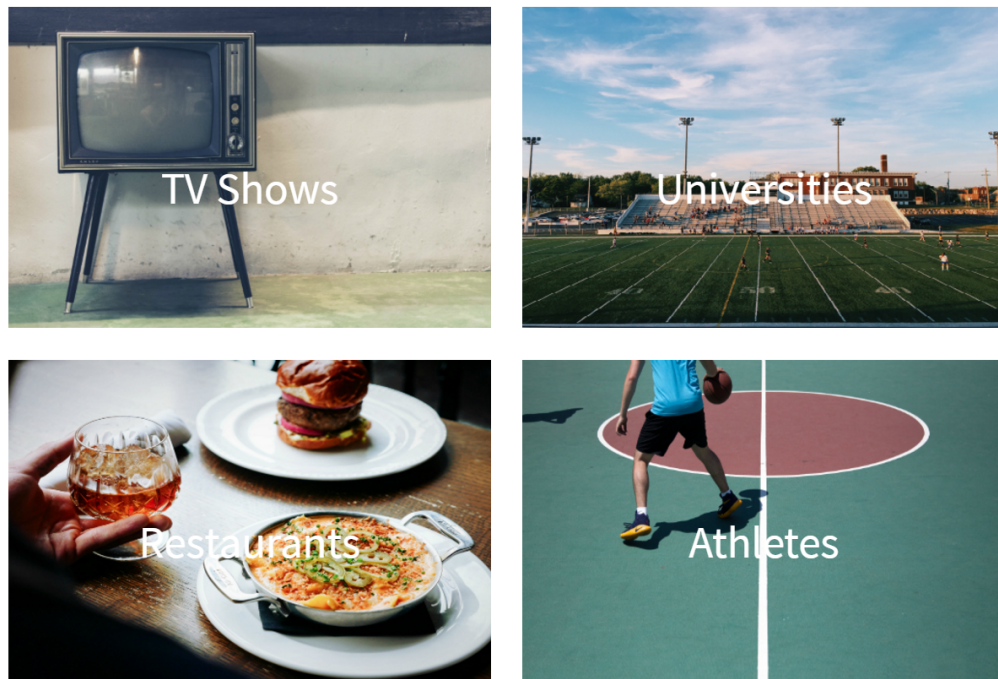


Figure 3: Categories

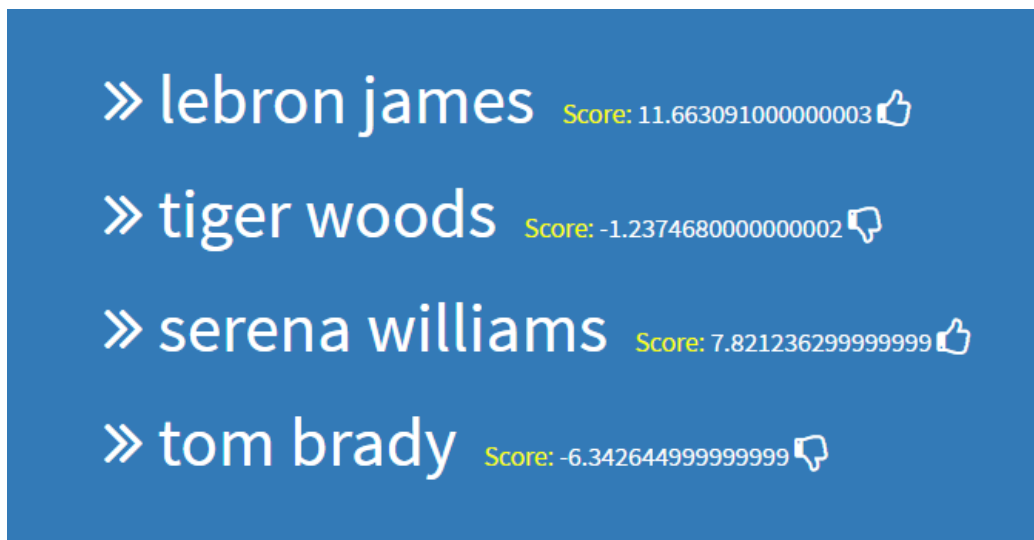


Figure 4: Categories

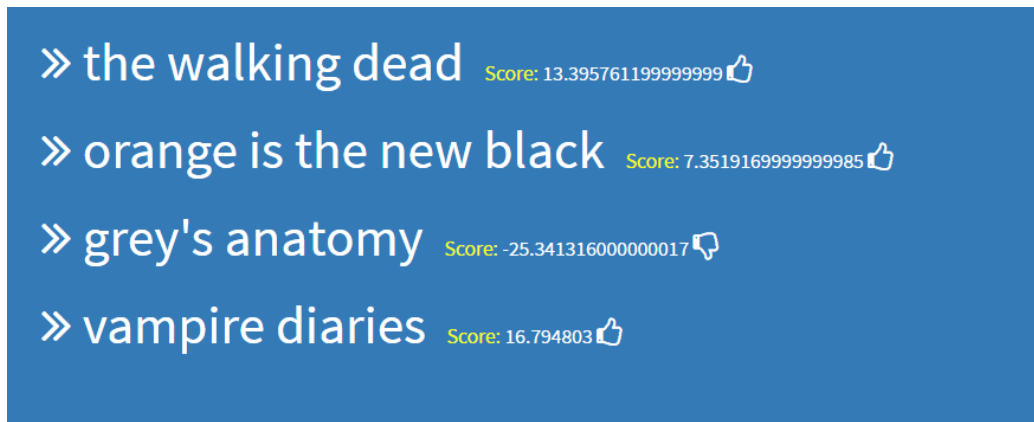


Figure 5: Categories



Figure 6: Categories

2.1.2 Tweet Data

Once a user clicks a category, the webpage expands into a table to display a list of tweets with various scores ranging from positive to negative (Figure 7). There are two tables that are displayed - one table includes the highly positive tweets and the other for the highly negative tweets. Each table has three columns: the user's Twitter handle, their follower count, and the tweet.

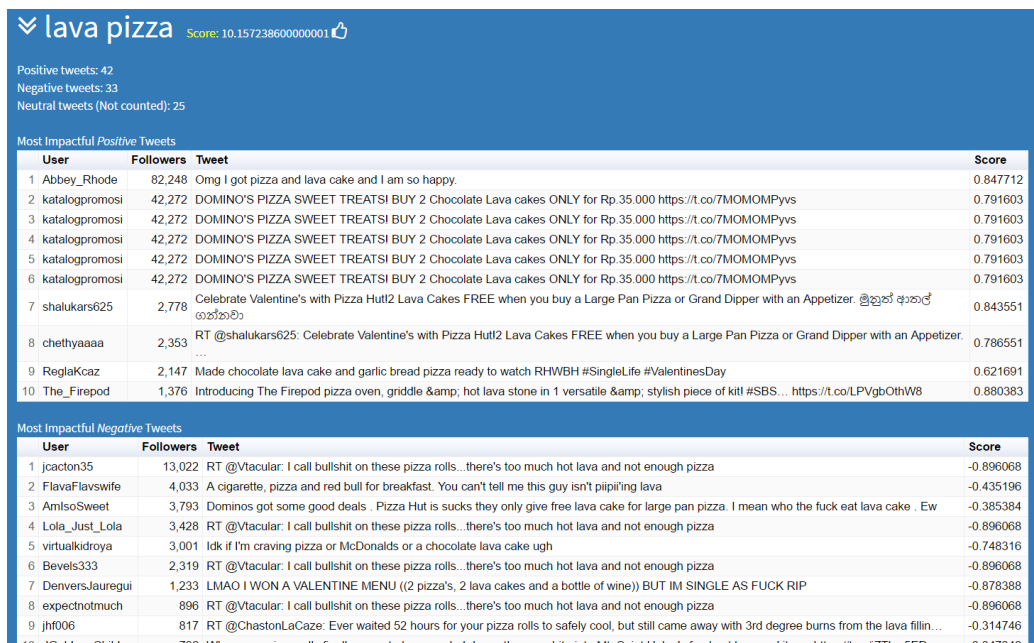


Figure 7: Categories