

SEPTEMBER 2019

**Monitored
Analysis for
eXtreme
eXpressions**

MAXX

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11100
11010
01011
11011
00100
01100
01010
01101
00000
00100101111101111110101110
001110110100010000100000
11100101110110001111010111



What is MAXX?

AN AUTOMATED WEB-SCRAPER
WHICH ANALYZES DIGITAL
EXPRESSION (I.E. TWITTER POSTS)
FOR LINGUISTIC PATTERNS WHICH
HAVE BEEN STATISTICALLY
RELATED TO EXTREME STATES OF
MIND, SUCH AS MENTAL ILLNESS
OR RISK OF HARMING ONE'S SELF
AND/OR OTHERS.

INPUT

TWITTER
ACCOUNT



OUTPUT

RISK ASSESSMENT
OF GIVEN ACCOUNT

00101
100110
010111
01000
010111

ALGORITHM

Components:

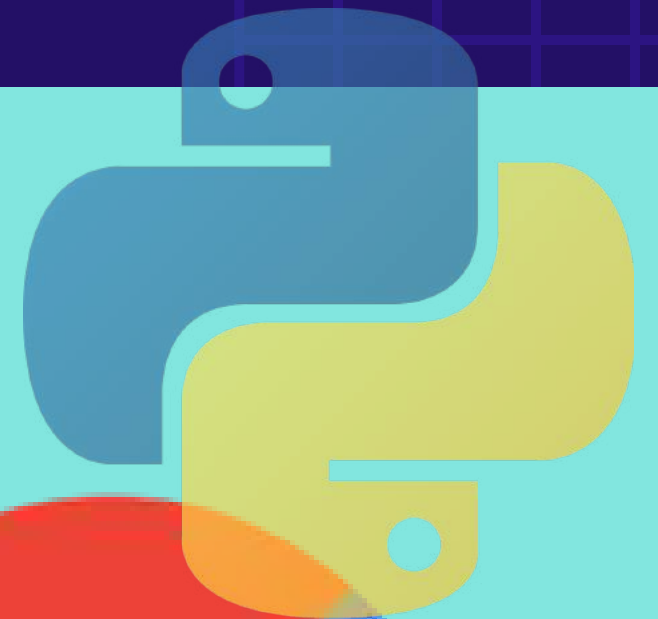
- Google Cloud Natural Language API
- Data analysis with graphic visualization
- Python
- Bokeh
- Twint

OBJECTIVE:

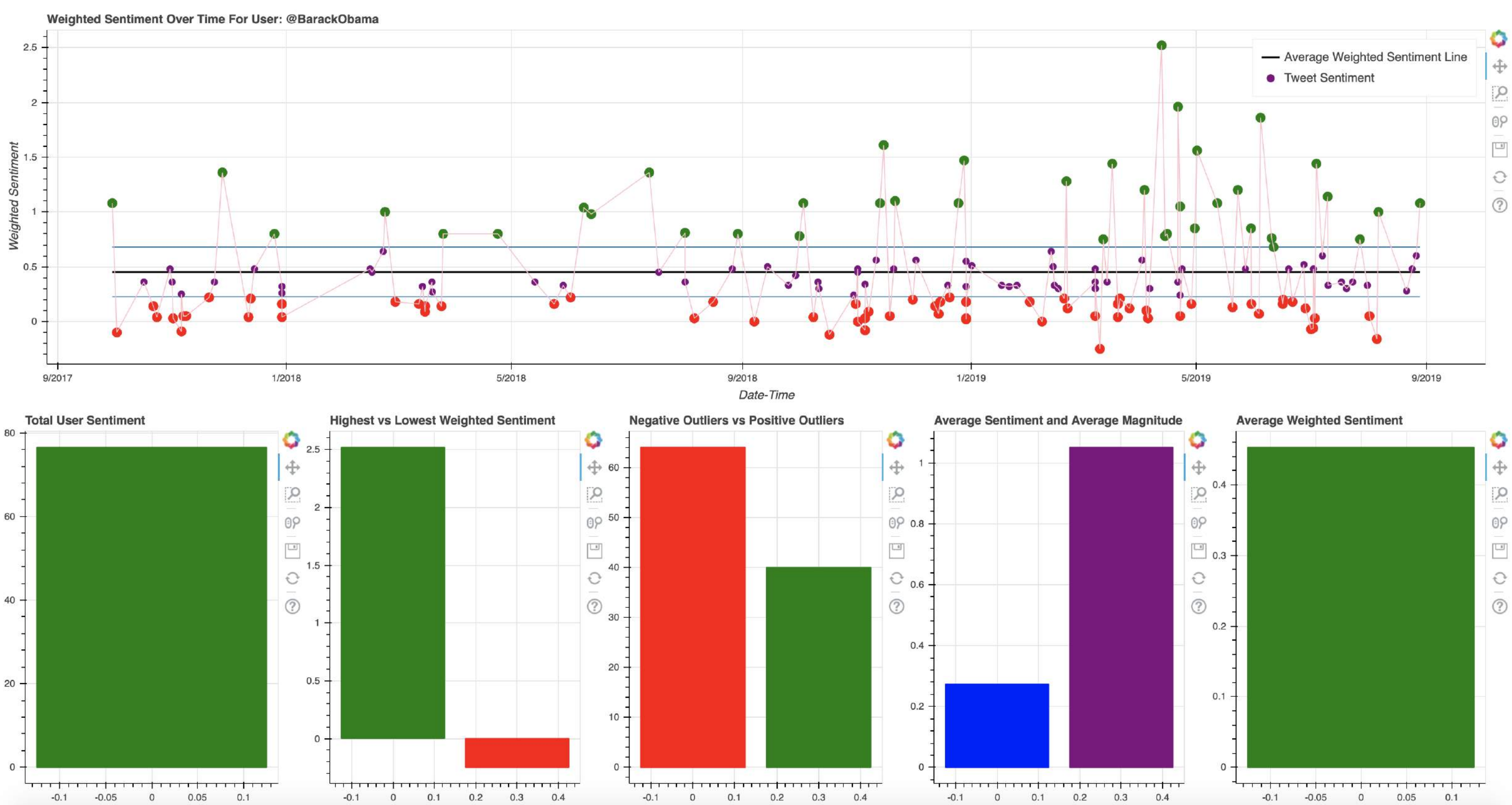
Monitor for and analyze linguistic factors to identify users at risk to themselves and/or others

ACTIVATES AN ALERT IF:

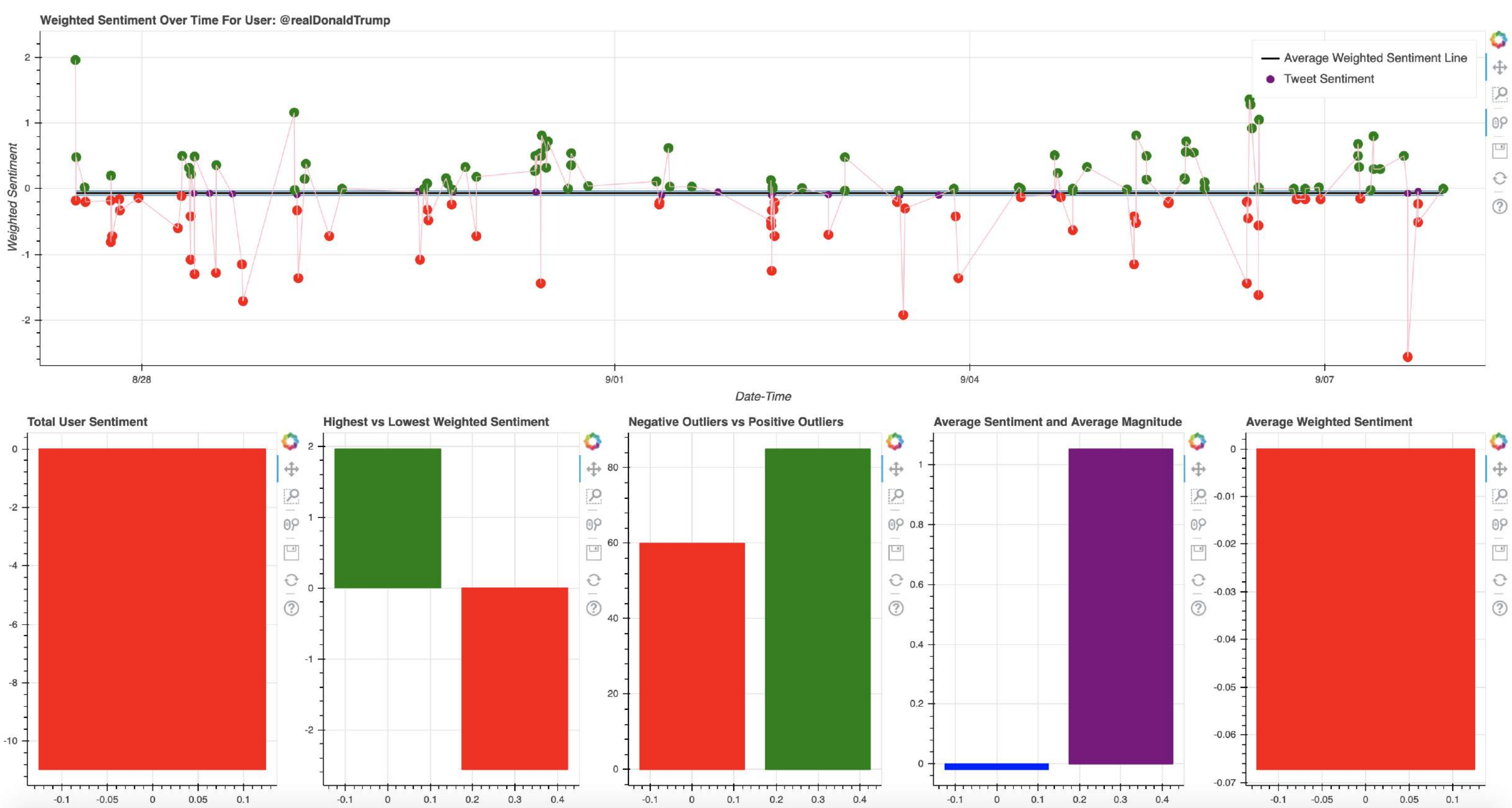
- a certain amount of risk factors are identified
- many risk factors are used in combination with each other



EXAMPLE: Barack Obama

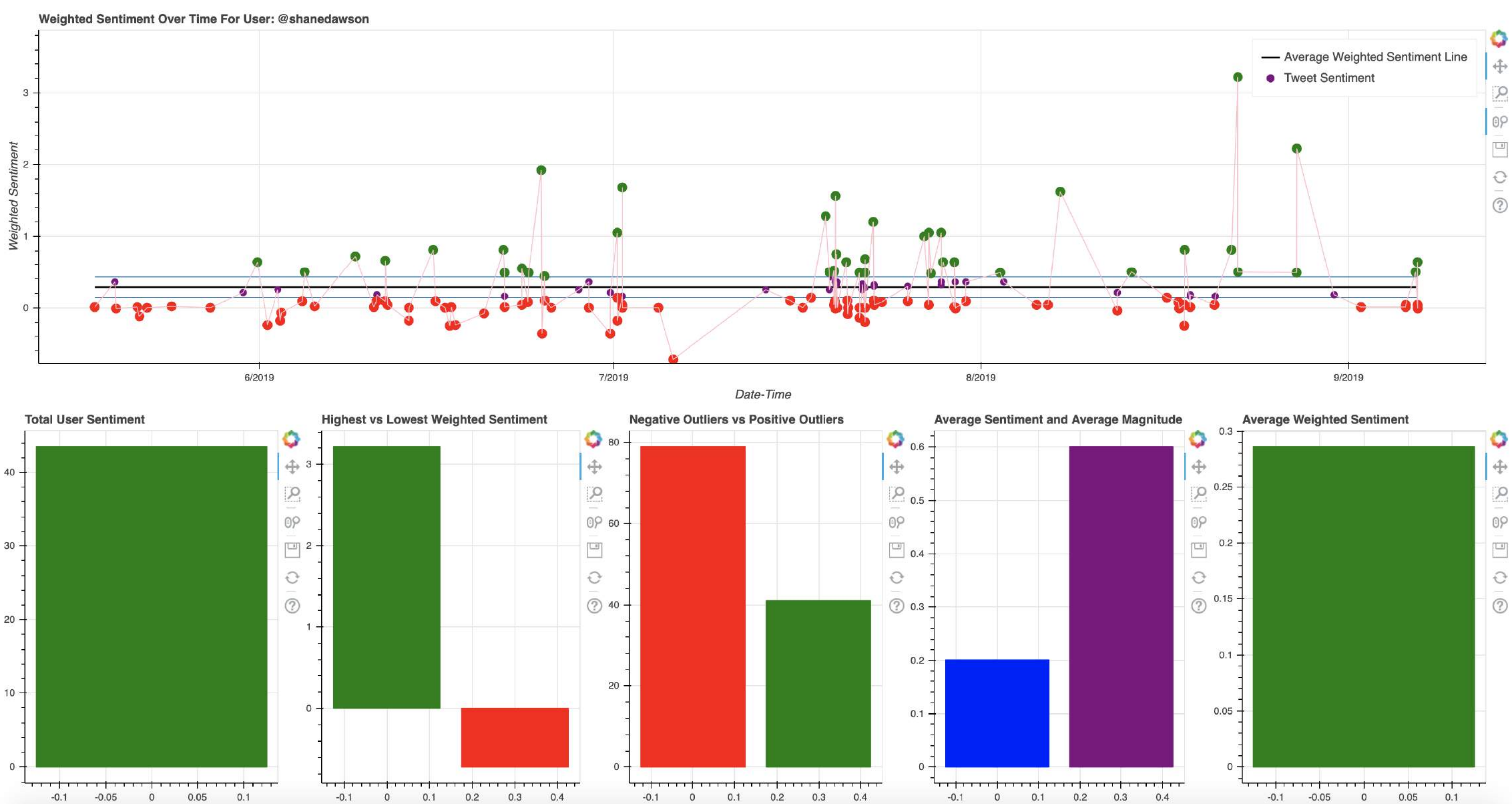


EXAMPLE: Donald Trump



EXAMPLE: Shane Dawson

(Chosen because of the hacking scandal of August 2019 - an event which occurred during the time interval displayed)



PLANS FOR THE FUTURE OF MAXX

We will improve our natural language processing algorithm to monitor for and identify specific keywords which may be cause for concern.

We will develop a better front end that is more accessible to the user.

We will continue to refine our algorithm to reflect all current and available research.