Who does r/politics hate the most?

Oliver Green

Problem Statement

It is often hard to survey people voluntarily about their political opinions, but on forums such as r/Politics people share them freely. This presents a gold mine of free political data.
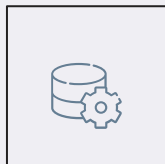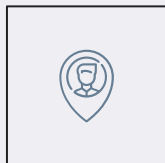
Contributions

ME

Methodology

Data Collection
Use PRAW to get data from the Reddit API

Name Entity Recognition
Use Hugging Face BERT model for NER

Sentiment Analysis
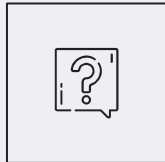Use Hugging Face BERT Model for Sentiment Analysis

Data Set

Format
Dictionary to JSON

Title
NER performed only on title

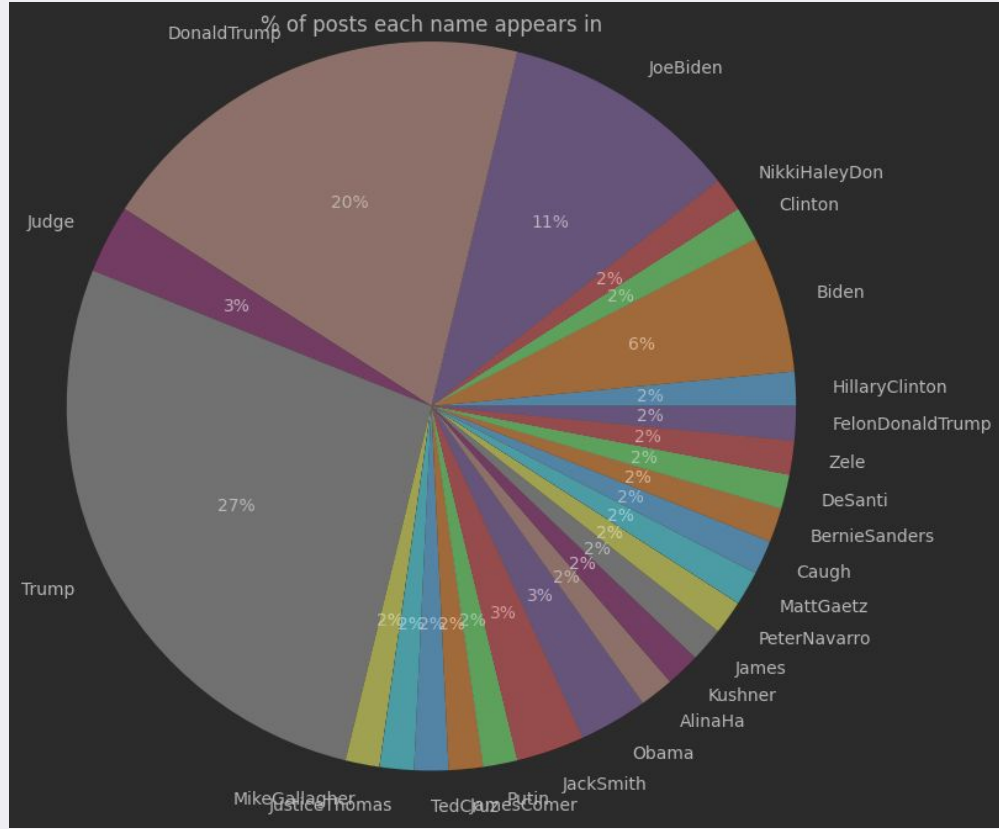## Comments
Sentiment Analysis performed only on comments

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Results
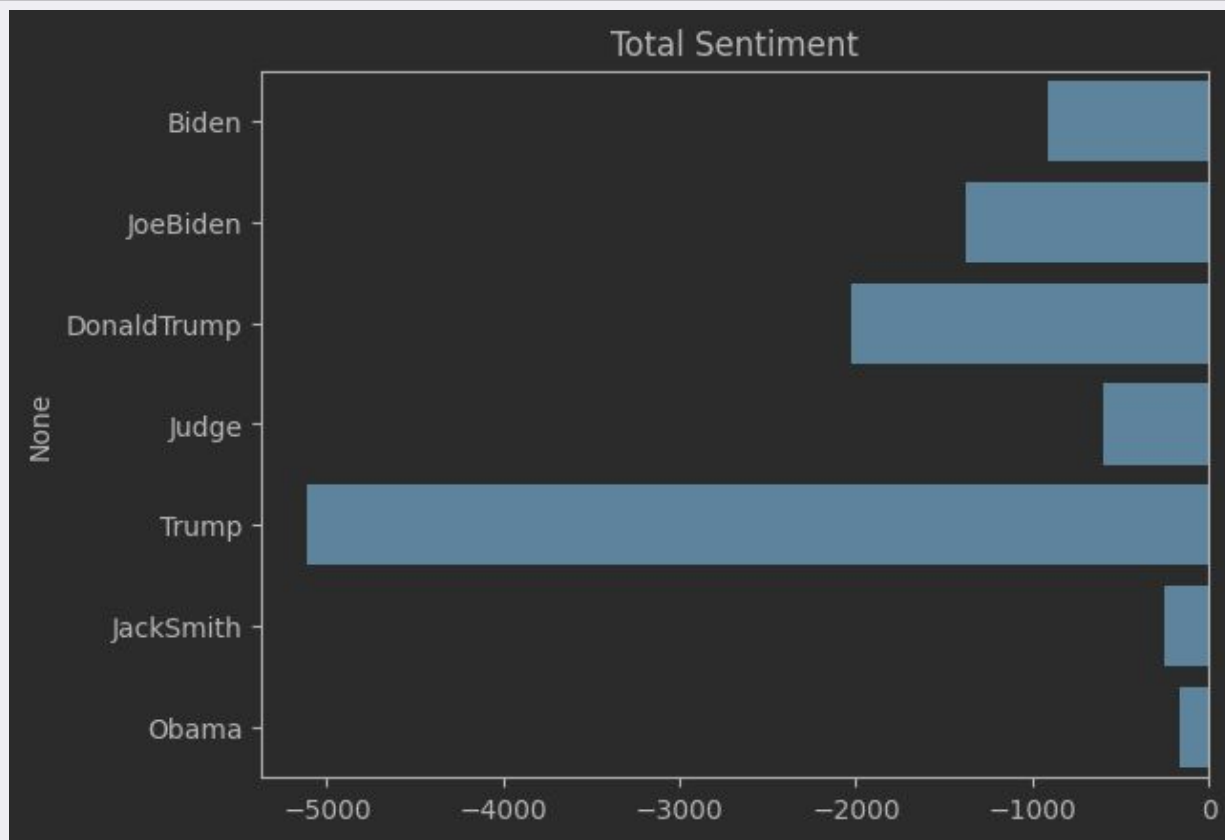
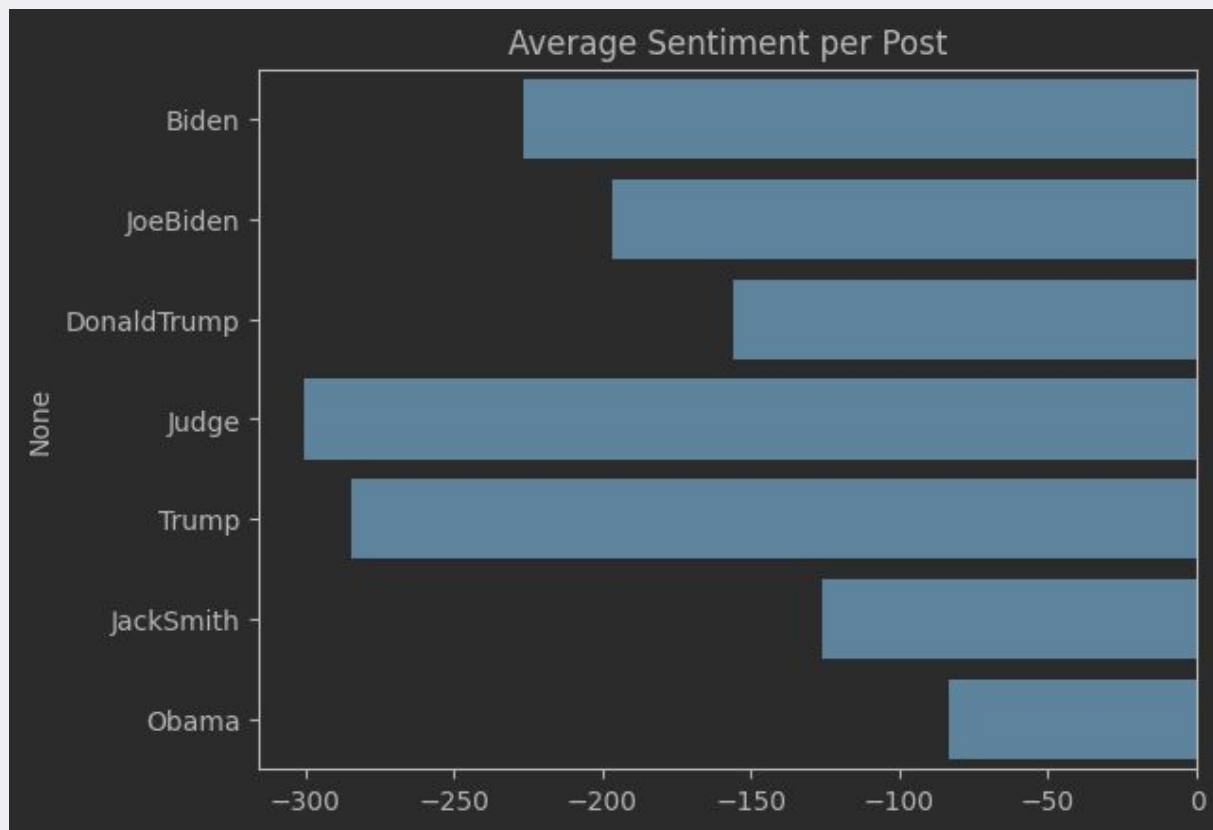% of posts each name appears in

Total Sentiment

Average Sentiment per Post

Discussion

01

Everyone Hates Politicians
Originally predicted some results would be positive but everything was negative overall

02

People REALLY don't like Trump
Trump was talked about the most by far and all of it was negative

Challenges

03

BERT Splits Names
B, ##iden , Donald, ##Trump
Merging these was a headache

04

Biden vs JoeBiden
I will add more code to merge these into a single entity but only for the presidents

Thanks!

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