



Russian Trolls: Tweet Classification

January 23, 2020

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Background and Methodology

Background & Methodology

- **Background**

- Predict Russian Troll Account Categories on Twitter
- Explore publish dates

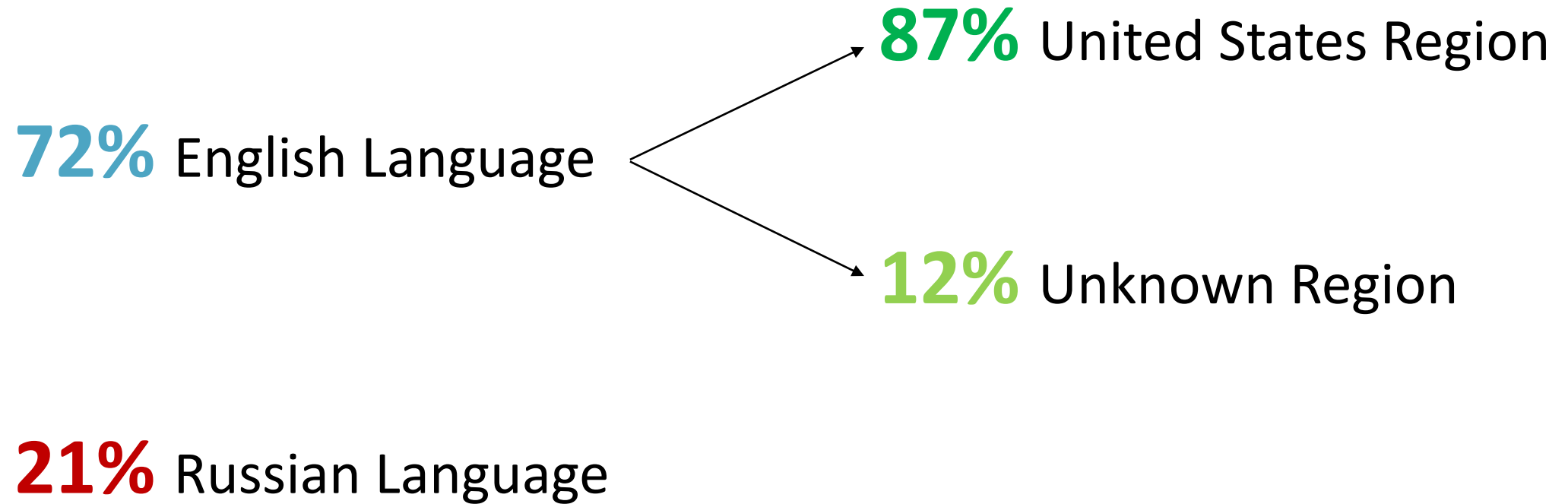
- **Methodology**

- Data collected and cleaned
- Data explored and analyzed
- Feature engineering and machine learning techniques to classify tweets

Findings and Recommendations

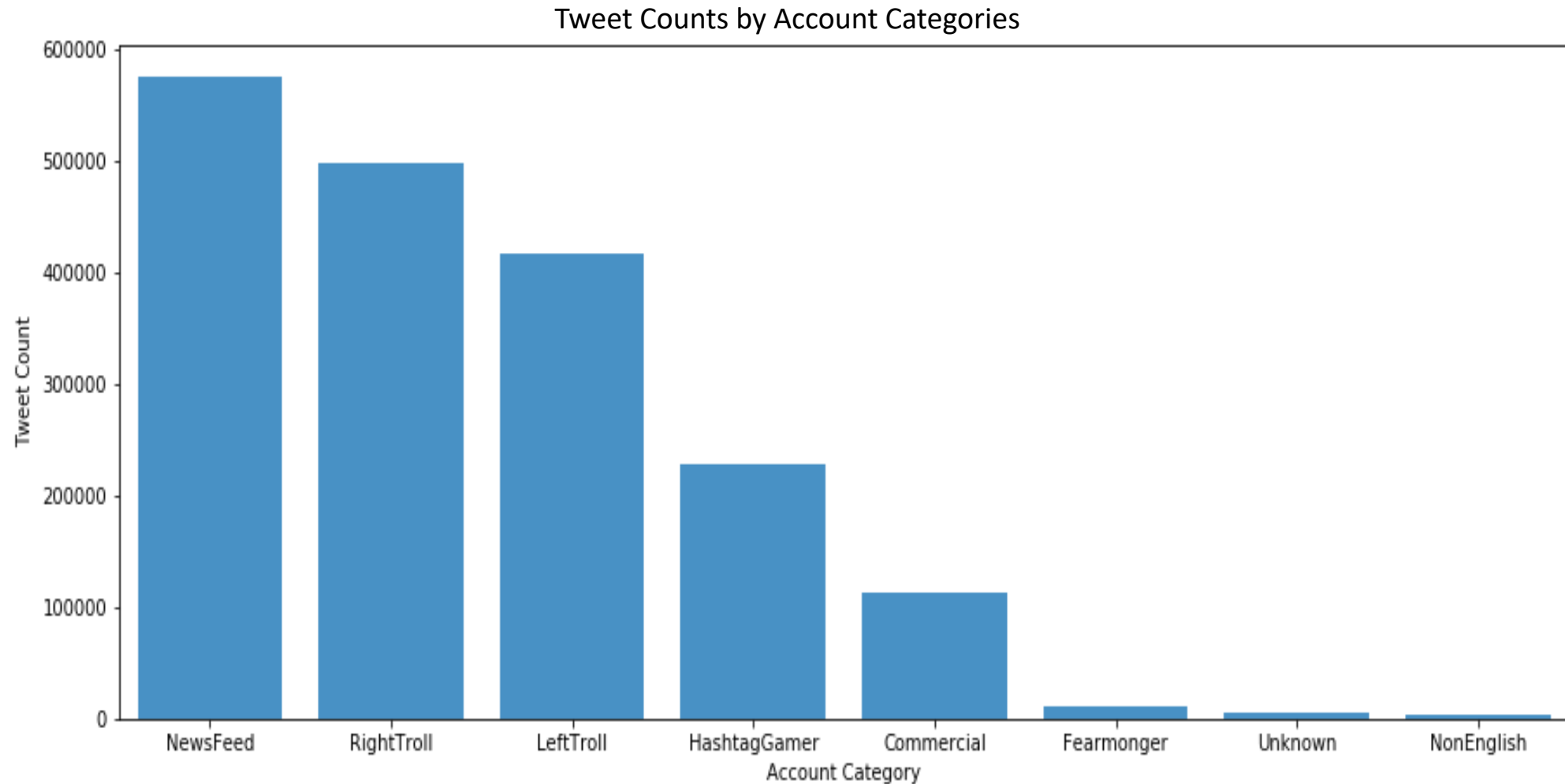
Exploration

Language & Location



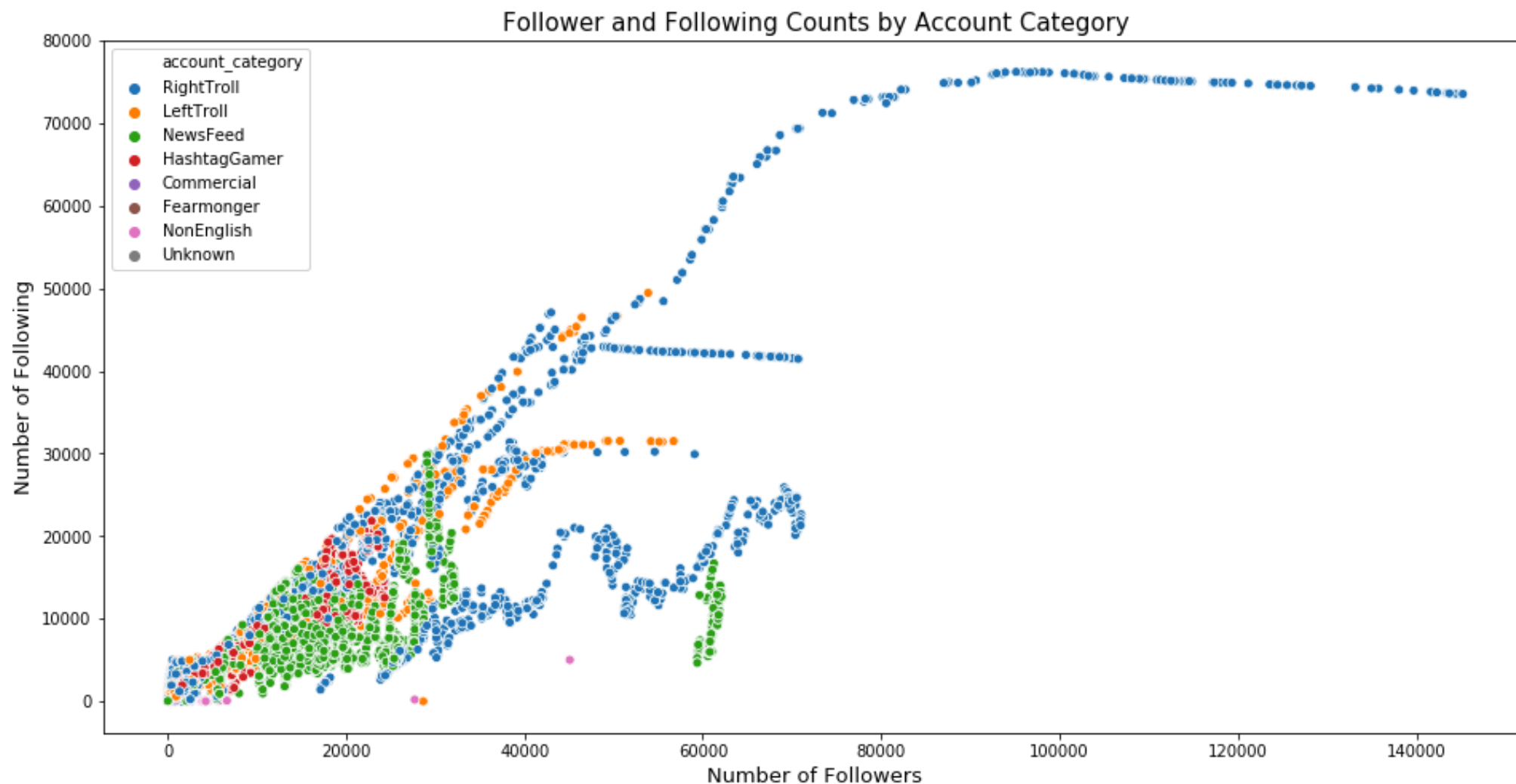
Exploration

Tweets by Account Categories



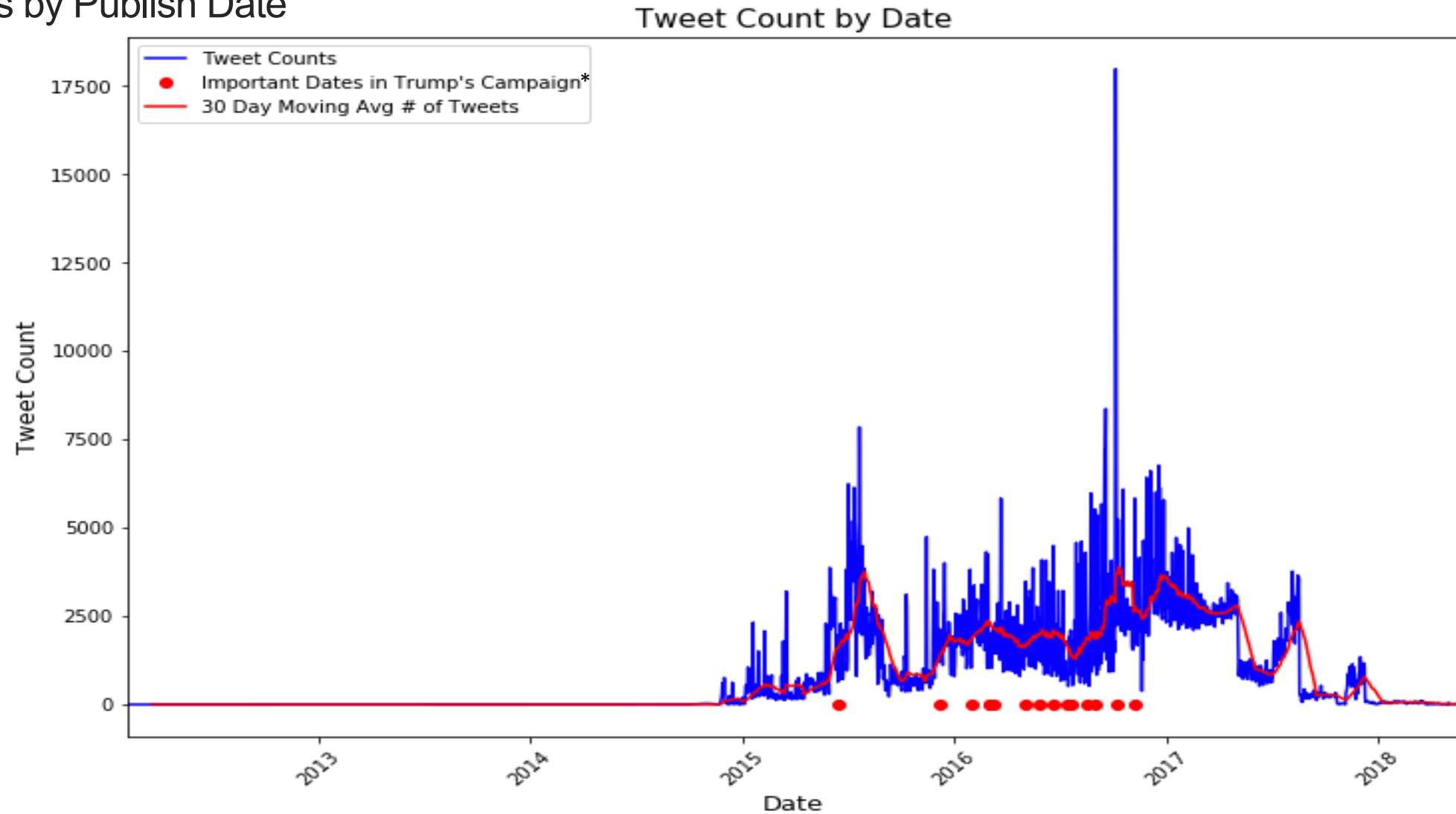
Exploration

Number of Followers and Following



Exploration

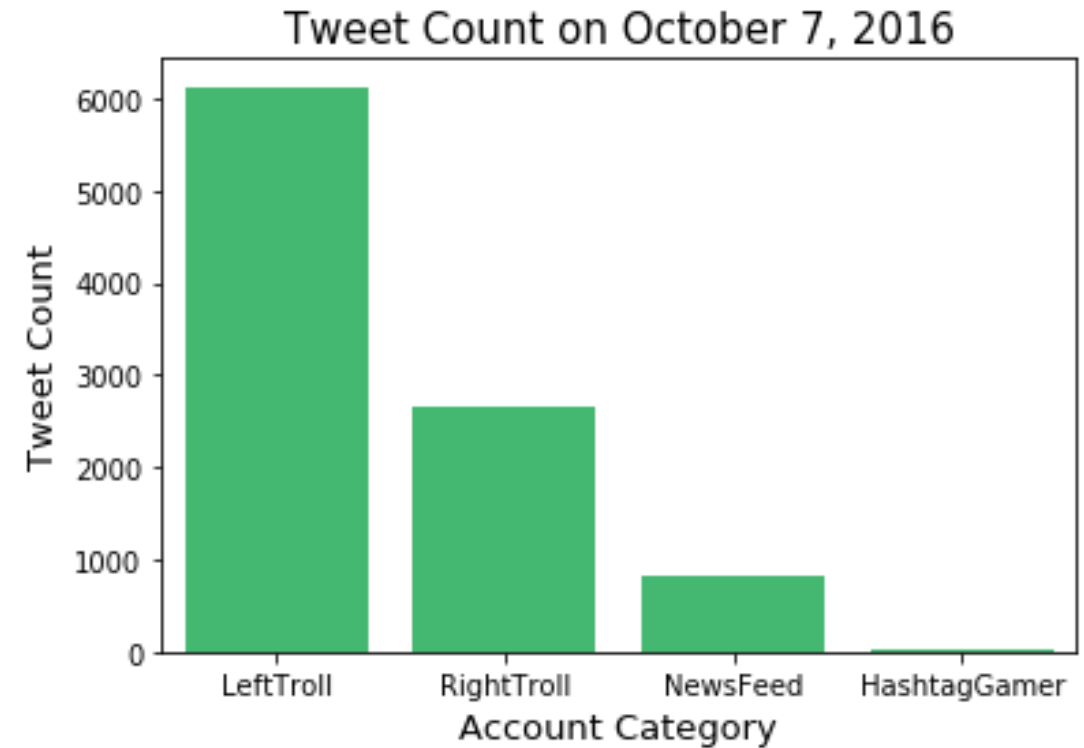
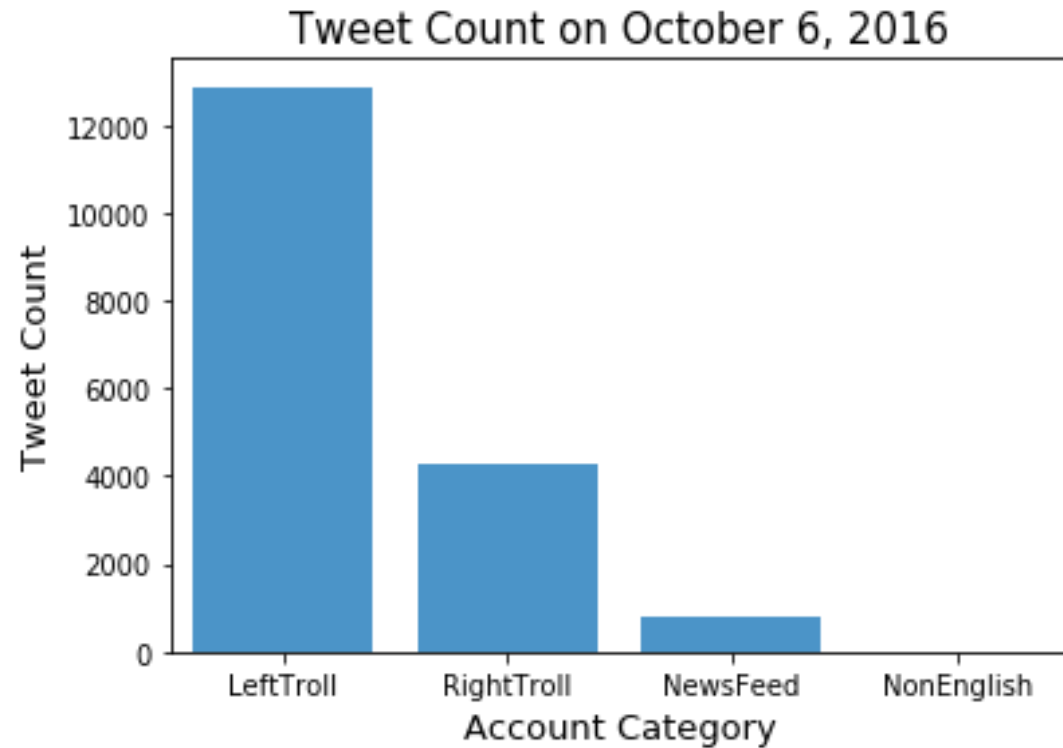
Tweets by Publish Date



* Reuters Article: "Timeline: Pivotal moments in Trump's presidential campaign", November 9, 2016 - [Link](#)

Exploration

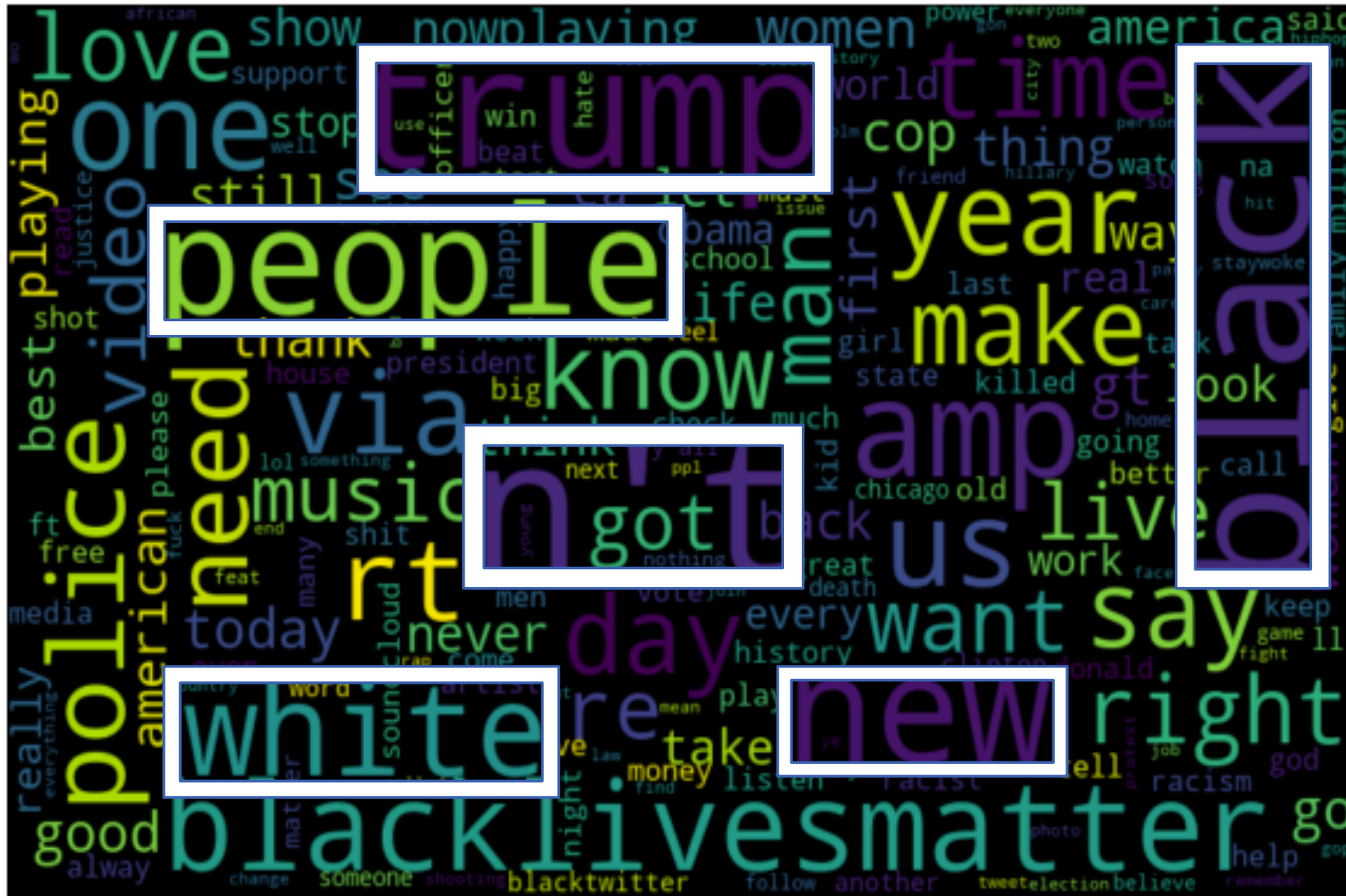
Account Categories on Most Tweeted Dates



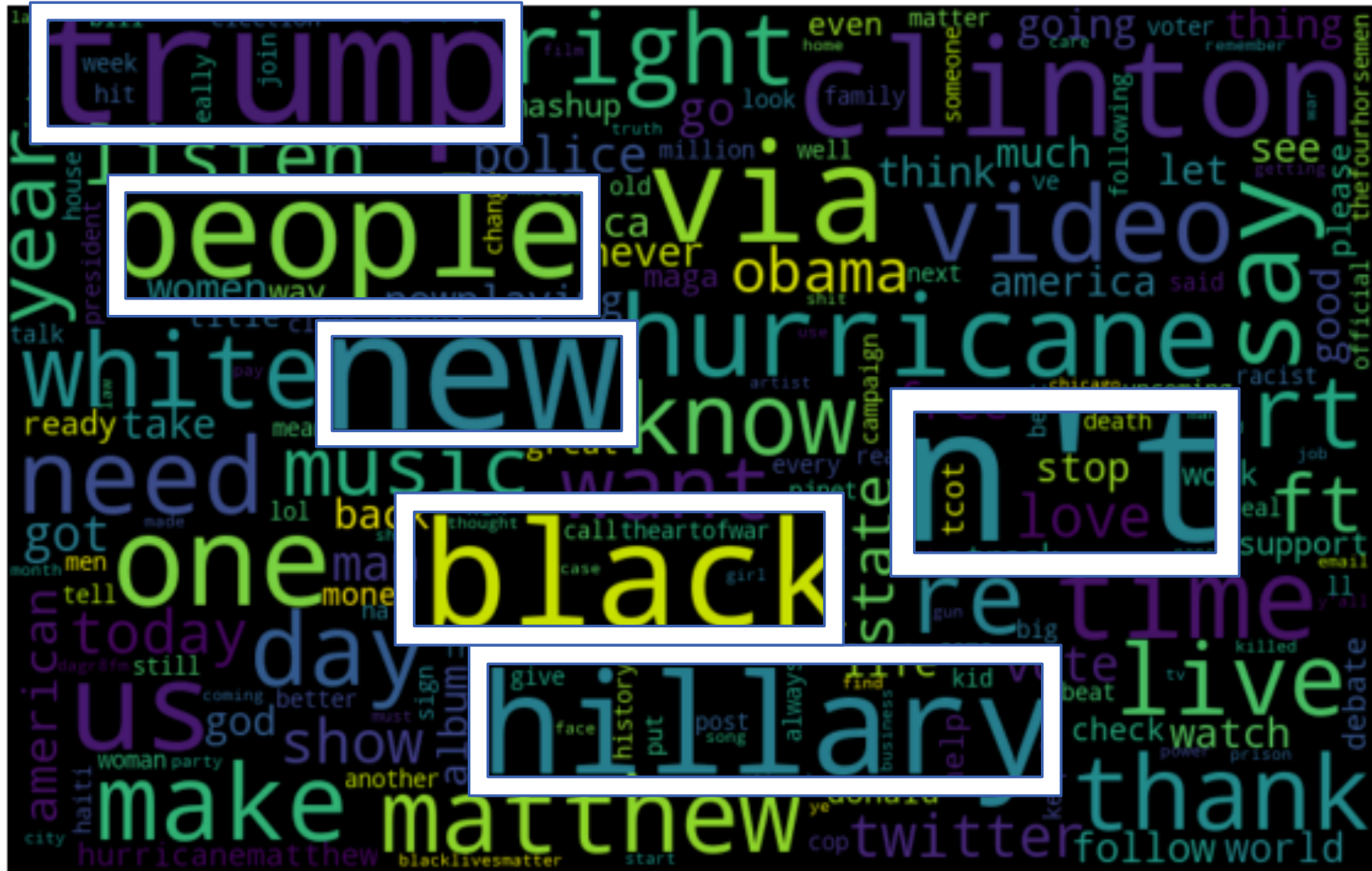
Right Trolls Most Tweeted Words



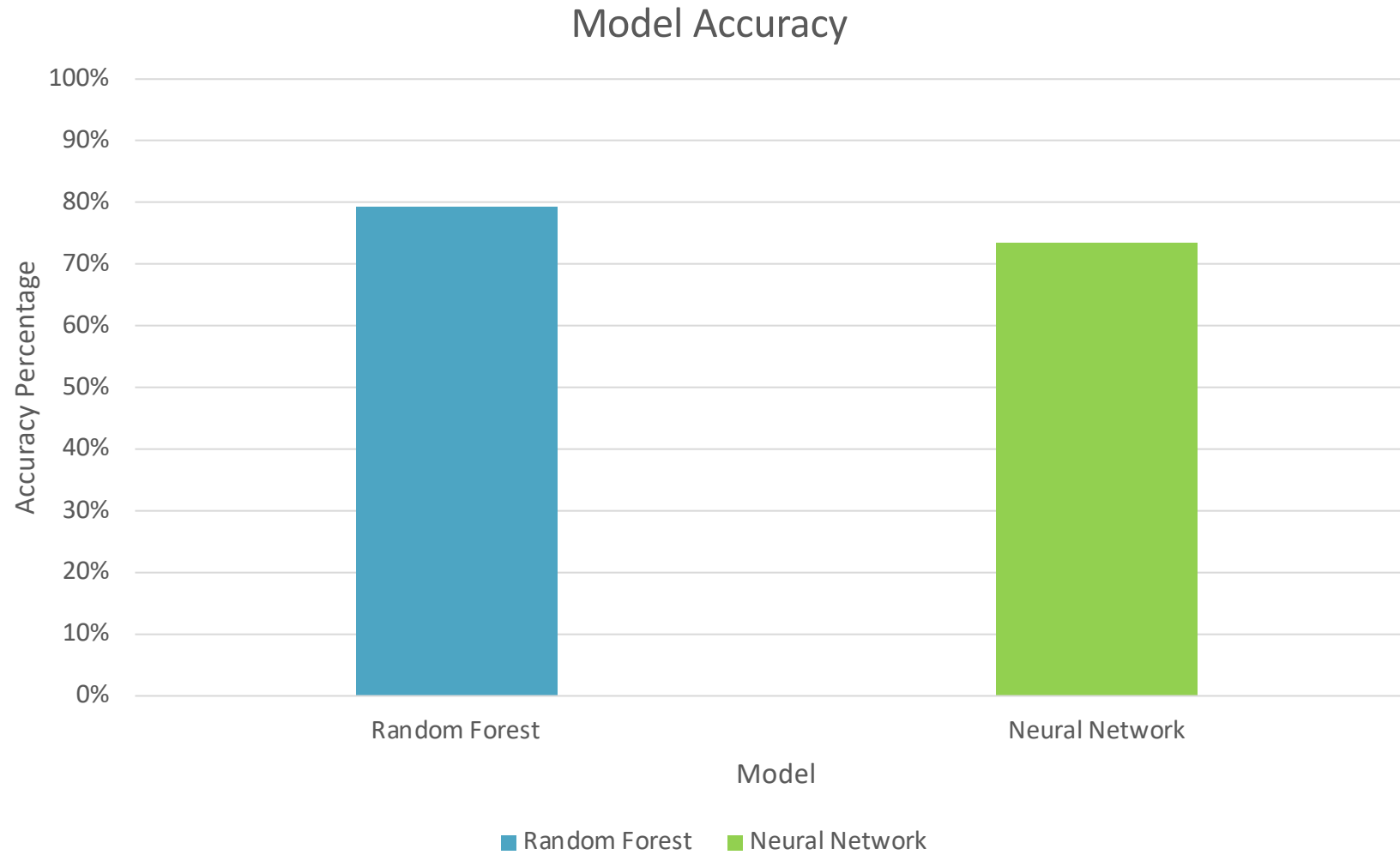
Left Trolls Most Tweeted Words



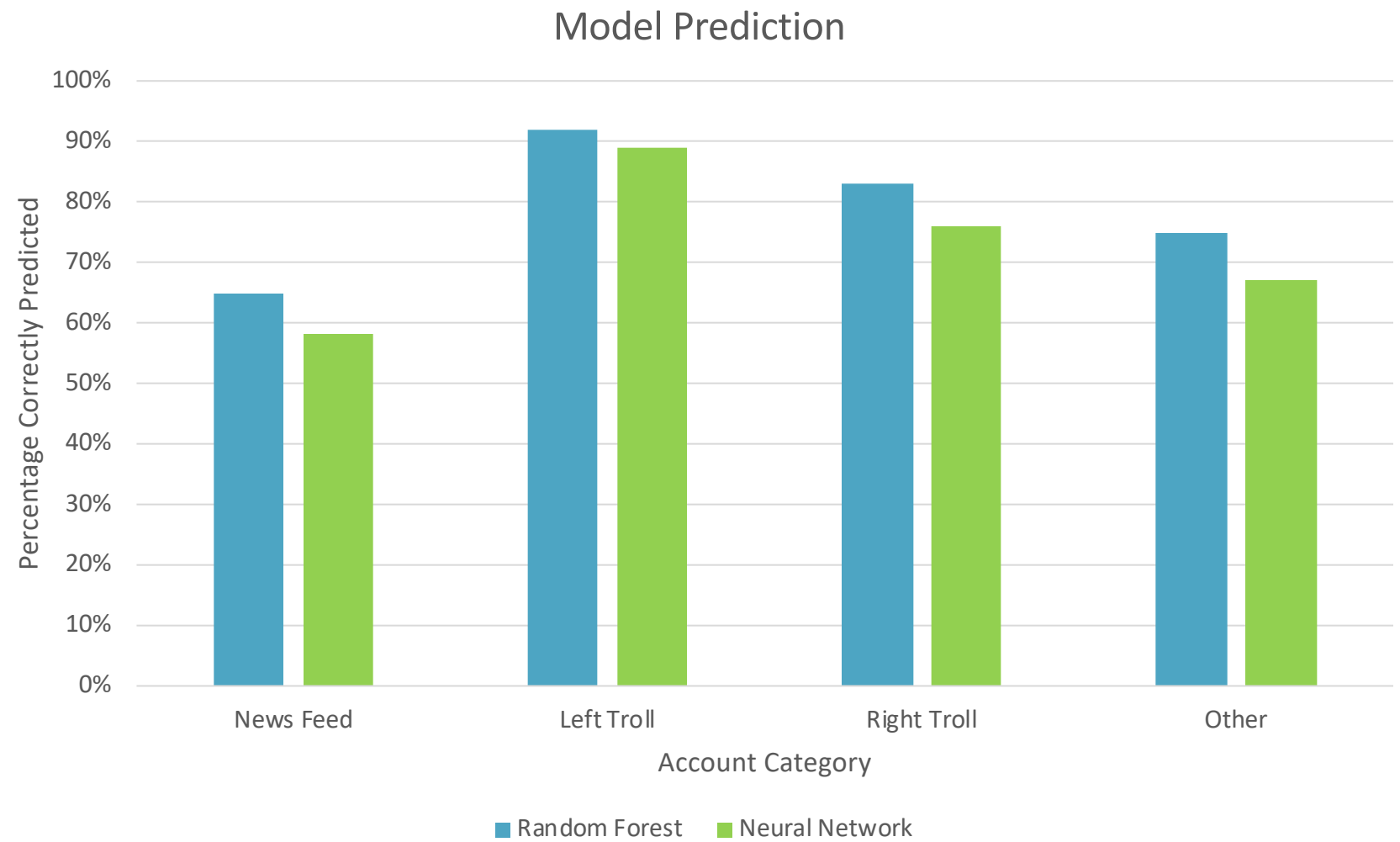
October 6, 2016 Most Tweeted Words



Machine Learning Model



Machine Learning Model



Future Work and Next Steps

Future Work and Next Steps

- Obtain further Twitter data since May 2018 for the model to determine types of Russian Trolls for upcoming occurrences, such as the 2020 election
- Determine if the Random Forest model can be improved with an intensive hyperparameter search

Questions?

Thank You!