Truth Detectives:  
Seeking out fake news

January 15, 2019

# Overview

## Project Background and Description

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|  | We all hear about fake news, but what news is really fake? Our team wants to seek the truth and use real-life data to determine how much fake news is out there. |

## Project Scope

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|  | The Truth Detectives want to help the public differentiate fake news, real news, and satire. We will be gathering news articles that have been labeled as fake, real, or satirical and loading them into one table for analysis. We will be finding common elements between these articles, and plotting trends. |

## High-Level Requirements

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|  | We will be answering the following questions:   1. What are the common elements that fake news has? 2. What are the topics that are most reoccurring in each label? 3. Is there a trend in who is propagating fake news? 4. Are there trends? |

## Resources

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|  | * [Fake News Dataset](https://www.kaggle.com/c/fake-news/data) * [Sarcasm Detection](https://www.kaggle.com/rmisra/news-headlines-dataset-for-sarcasm-detection) * [New York Times API](https://developer.nytimes.com/apis) * [Twitter API](https://developer.twitter.com/content/developer-twitter/en.html) * [Satirical News Aggregator](http://humorfeed.com/) * [Google News Aggregator](https://news.google.com/?hl=en-CA&gl=CA&ceid=CA:en) |

## Deliverables

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|  | 1. Extract: Fake, Real, and Satirical data from our APIs, data sets, and aggregators 2. Transform: Parsing through all relevant data and combining it into the appropriate tables 3. Load: Bridging all relevant tables and plotting trends |

## Implementation Plan

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|  | 1. Wasif will parse through the Sarcasm Detection and Fake News Data Sets 2. Dalia will work with the Twitter API 3. Mariaveronica will work with the New York Times API 4. Andre will scrape the Satirical and Google News Aggregators 5. The team will work together to transform their data and create bridging tables 6. The team will come together to solve the questions listed above |

# project Team

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| Name |
| Dalia Dahleh |
| Andre Lorenzana |
| Wasif Parvez |
| Mariaveronica Sayewich |

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