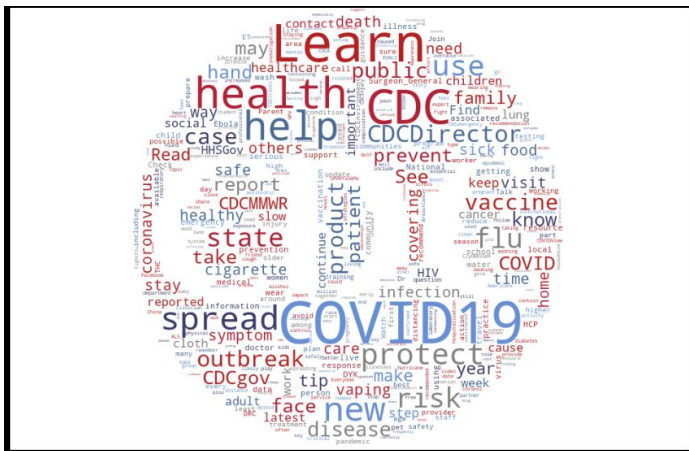


For the first component of this project, the base word clouds were created just based on the user's tweets as shown below:

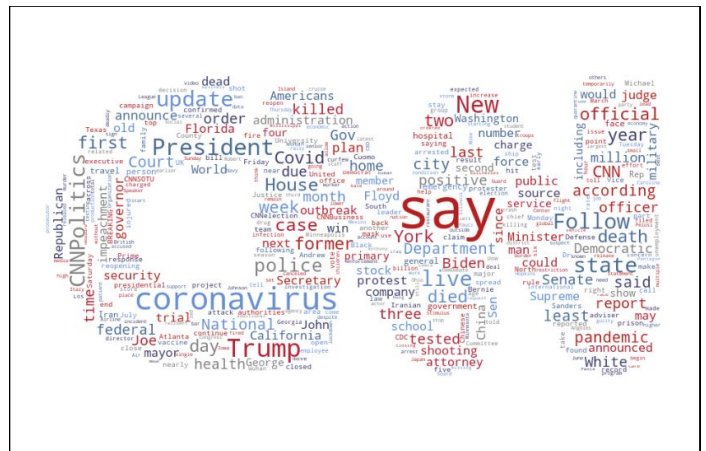
POTUS44: Barack Obama



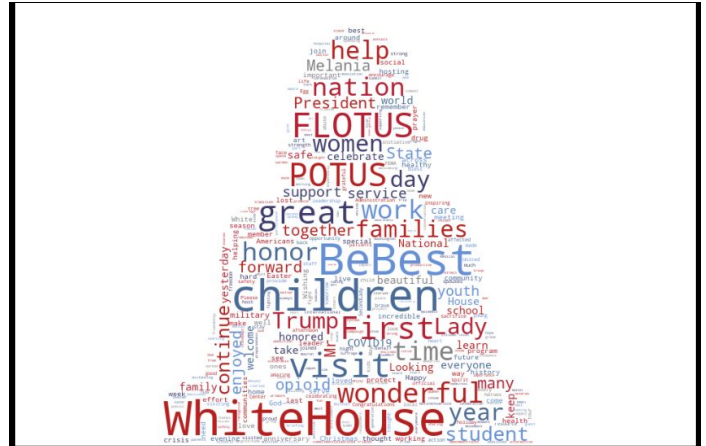
CDC



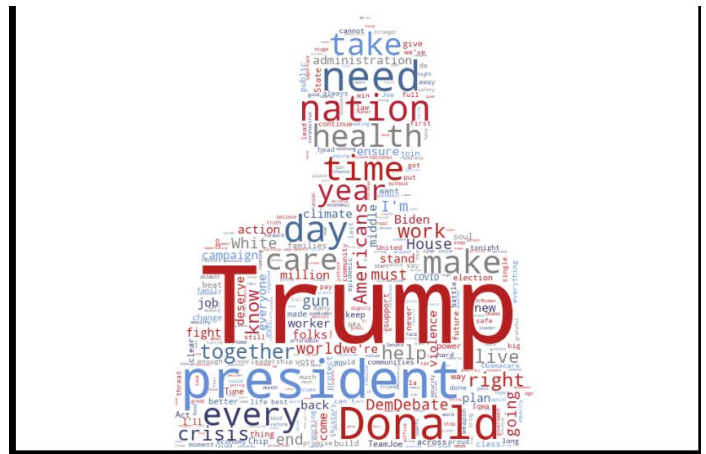
CNN



FLOTUS: Melania Trump



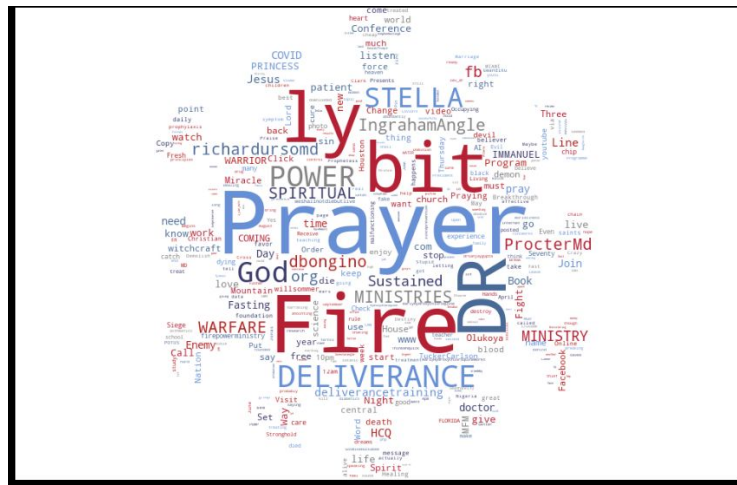
Joe Biden



Sean Spicer



Stella Immanuel



The second component of this project was filtering the tweets for specific topics to see how the users tweeted about these topics. For example, for tweets related to news sites, the keywords:

cnn, abc, foxnews, nytimes, usatoday, washingtonpost, media, report, reporter, reporters, media, press, interview

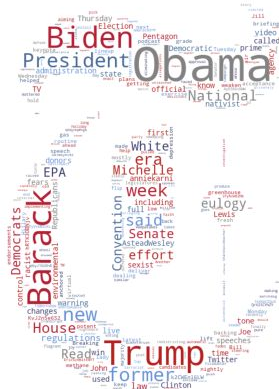
The tweets were lowercased when checking for keywords to ensure the keywords were not case sensitive. The topics chosen for this data visualization had to do with current events such as Black Lives Matter, COVID-19, and relations with China. By displaying these word clouds, we are able to see in what context these Twitter users are discussing these current issues or people.

Four comparisons will be shown below, but word clouds were made for all of these users on all of these topics as long as there were enough tweets to create a word cloud about the subject. However, for the Obamas' Twitter accounts, their archived accounts from the 44th presidency were used instead of their current accounts so the word clouds on more modern subjects like COVID-19 were either sparse, didn't have any tweets related to the keywords, or the words associated are dated. For example, when discussing Chinese relations, the relationship with China was different between the Trump and Obama presidencies which is something interesting to evaluate in and of itself.

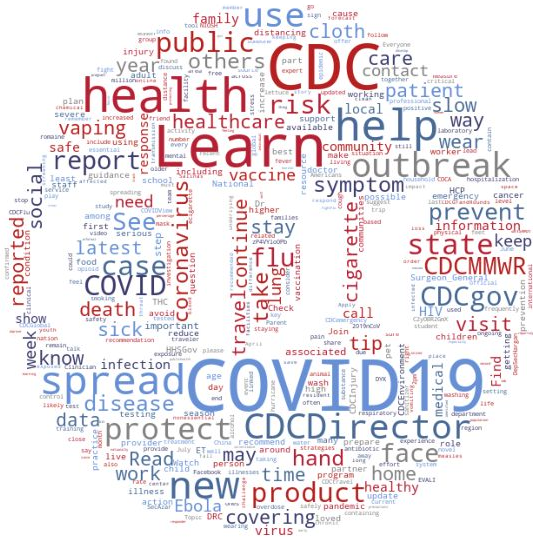
All of these graphs can be found in the word clouds folder and all have been organized into subfolders named by their Twitter username. Furthermore, once in these folders, the files have been named by their username followed by the topic that the word cloud is about. For example, Sean Spicer's (@seanspicer) word cloud for his view of President Trump would be the file "seanspicer_Trump.png". Only a couple of many word clouds were selected for the following examples.

Comparison 1: Events/Statements about Trump vs. Obama by various news outlets

CNN's comparison of Trump Vs. Obama	
<p>Trump</p>	<p>Obama</p>
New York Times comparison of Trump Vs. Obama	
<p>Trump</p>	<p>Obama</p>



CDC

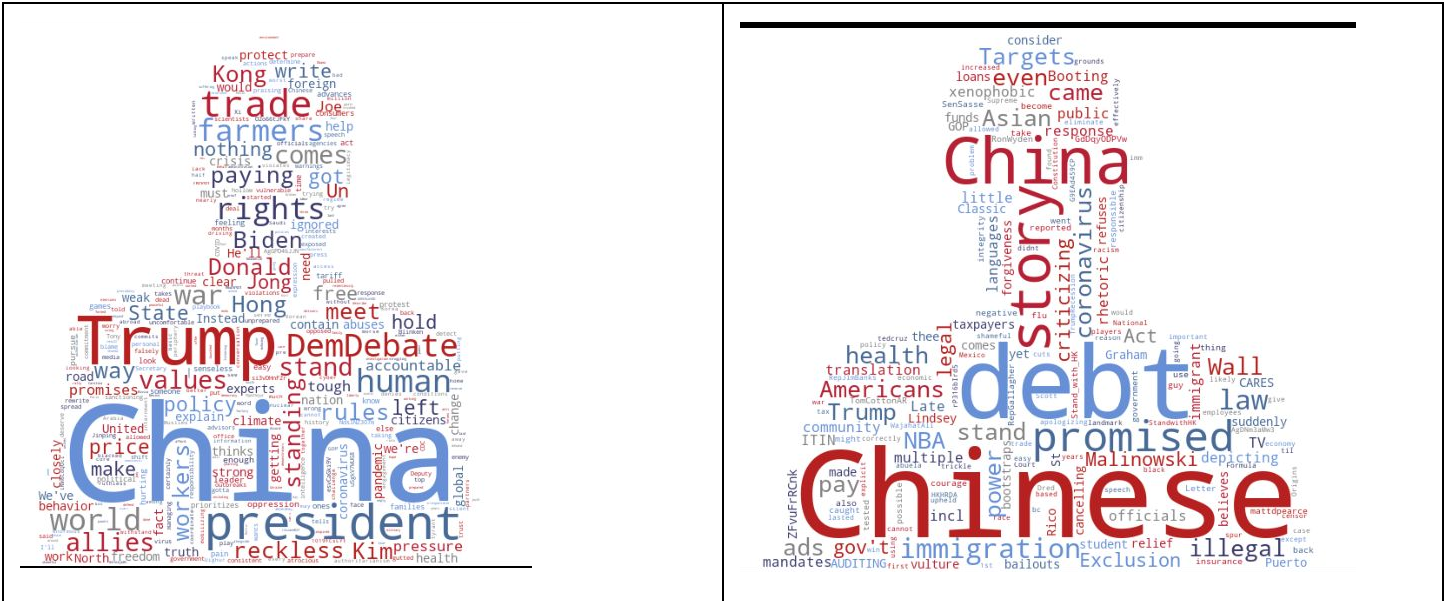
[illegible]

**President Obama's and Michelle Obama's Twitters used for these Word Clouds are their archived accounts from the 44th presidency so there were few tweets with any of the key words and the words related are dated*

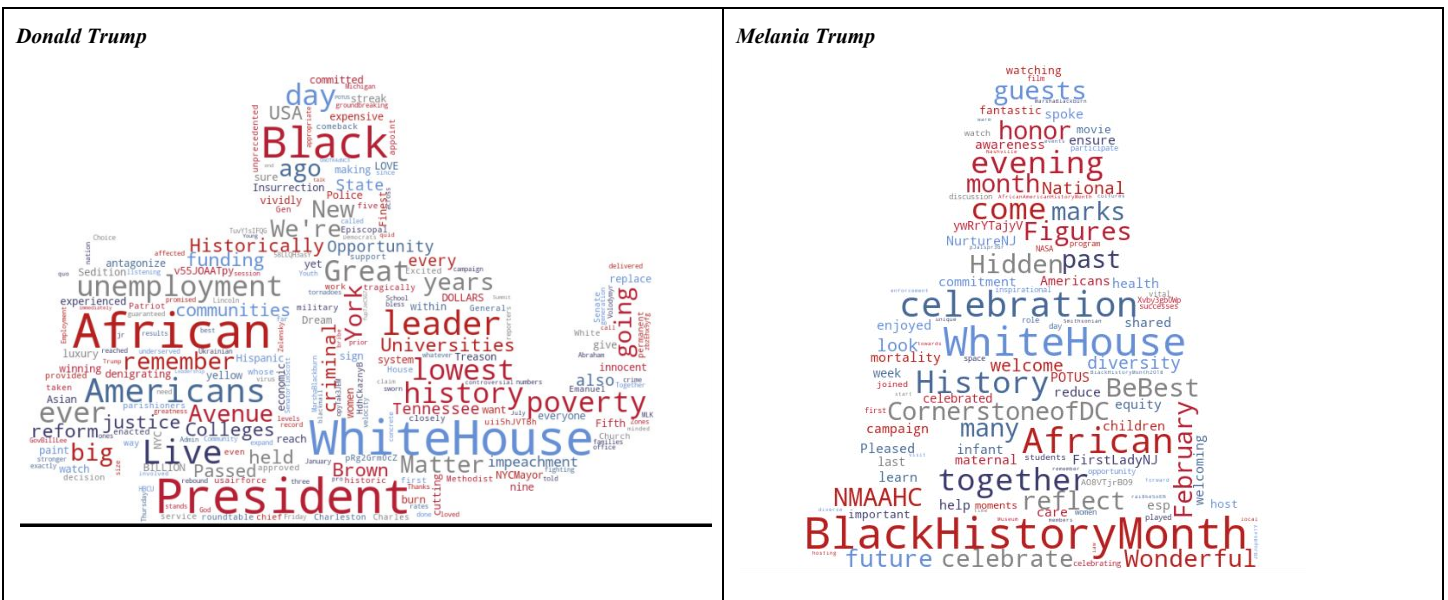


A word cloud of terms related to the 2009-2010 US-China trade negotiations. The words are arranged in a circular pattern. The most prominent words, shown in larger fonts, are "big", "need", "leading", "develop", "Brazil", "ZCarlander", "plans", "working", "agreement", and "China". The words "big", "Brazil", "ZCarlander", and "China" are in red, while the others are in blue. The background is white.

Alexandria Ocasio-Cortez



Comparison 4: How Donald Trump vs. Melania Trump vs. Sean Spicer vs. Alexandria Ocasio-Cortez addresses Black Lives in America



[illegible]