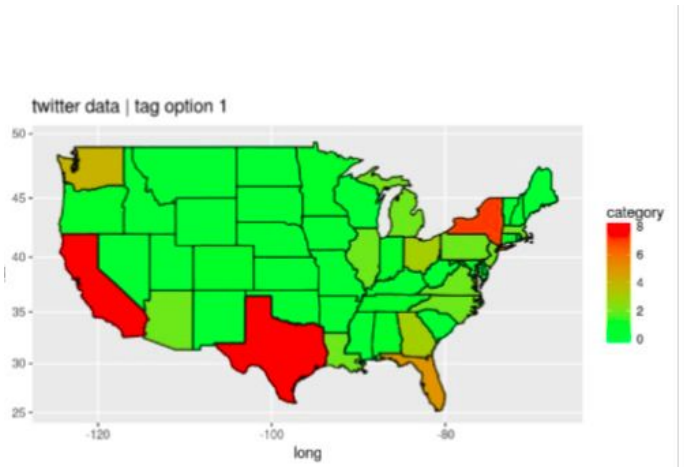
RESULTS

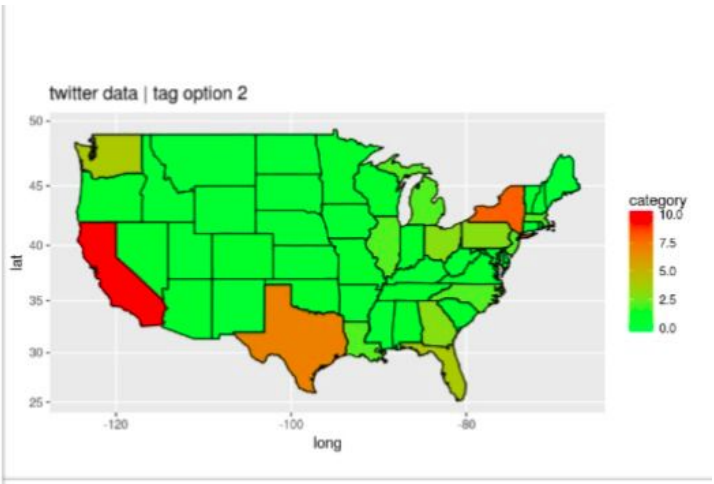
We used combination of multiple tags for collecting data. 2 primary combinations were used

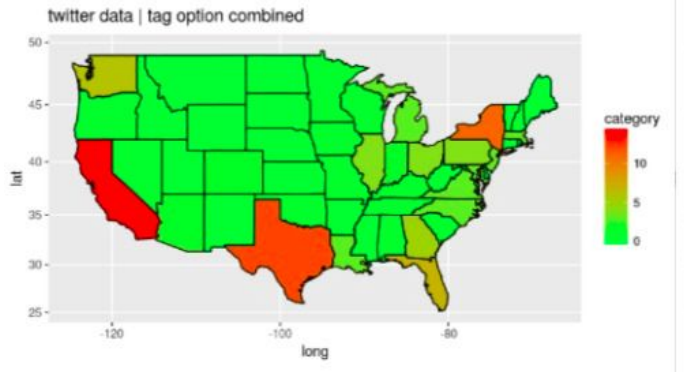
1. Tag 1: "flu OR #flu OR #influenza OR #fluseason OR #Flu OR #Fluseason"
   (~ 17,000 tweets out of which ~10,000 were unique and ~2200 were of the US)

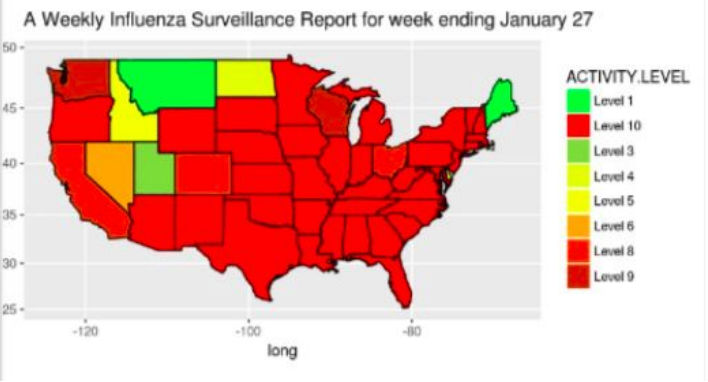
2. Tag 2: #Flu2018 OR FluGov OR CDCFlu OR #CDCFl OR #H1N1 OR #Influenza OR FluData OR FluData
   (~18,000 tweets out of which ~7,000 were unique and ~1500 were of the US)

The 3rd heatmap generated was a superposition of these two datasets collected i.e a combined heatmap (Tag1 + Tag2)









Observations and Conclusions

1) There wasn't much difference between the data collected from tag1 and tag2.

2) Tag1 was more tweeted or rather popular in the states of New York, Texas and Florida. This can also be seen as fewer tag2 tweets in this state. To understand this, we must look at tag2 and how it is different from tag1. The tag1 contains more "social / viral" tags like #Flu #Fluseason whereas the tag2 contains the not so social tags. They are more towards the medical (H1N1) and government/statistic (CDC) sides. So one abstract derivation could be that people from Florida, Texas and New York like to tweet about flu but use more of the socially "Cool" tags.

3) The Maximum number of tweets were from California, Texas and New York. Even though these were hot on the cdc flu heat map too, it would be wrong to conclude that the number of tweets related to flu has a direct correlation with the number of flu cases because majority of the other states including almost all of the central states, have contradicting trends i.e they had high flu cases but the number of flu tweets is relatively very low or even negligent in some states.
A better conclusion would be that tweets are high in the areas where people are more active socially i.e more people are into tweeting. Why there is more use of twitter would require another data science project all together. But more tweets about flu doesn't imply more flu but rather a more socially active / twitter active area.