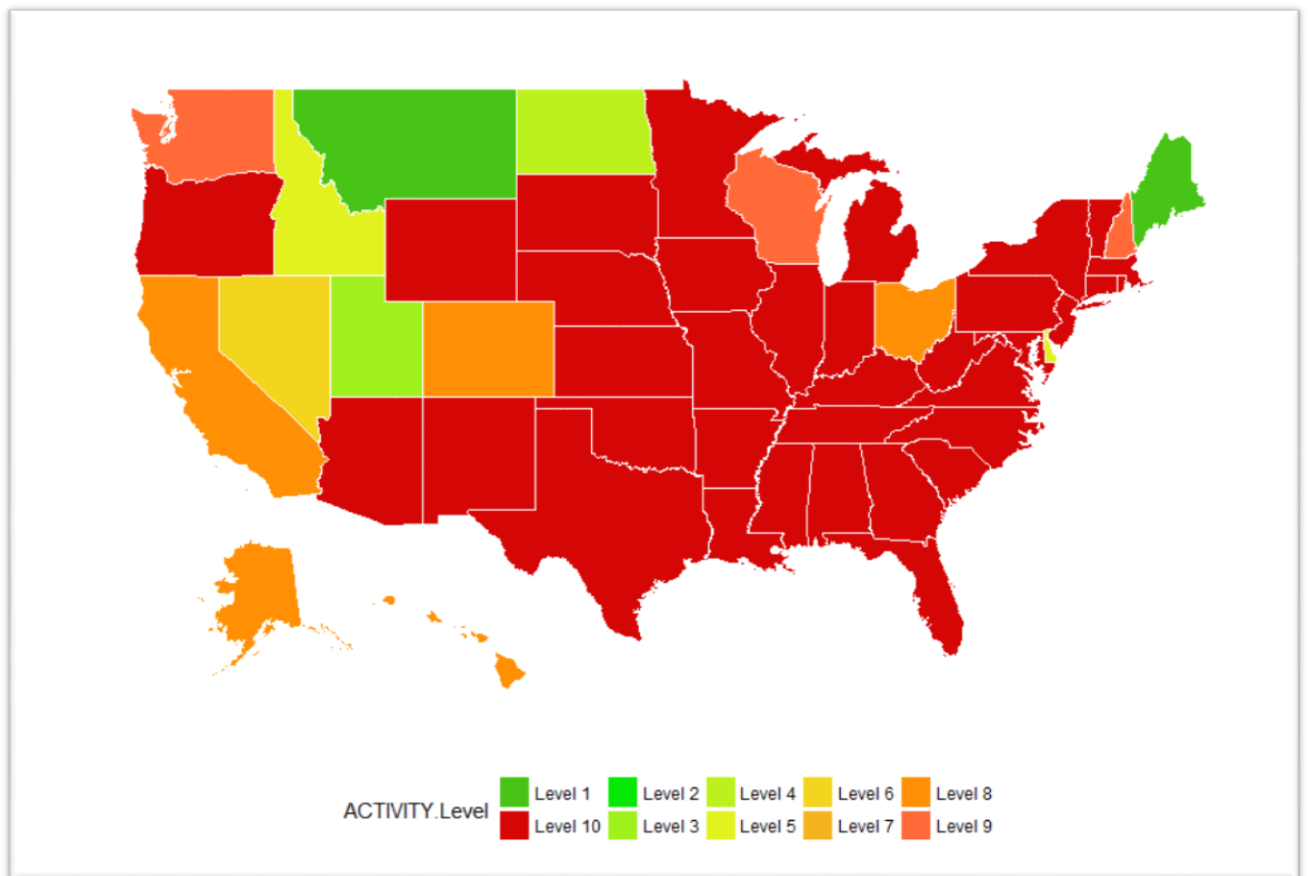# Part 3 : Twitter API
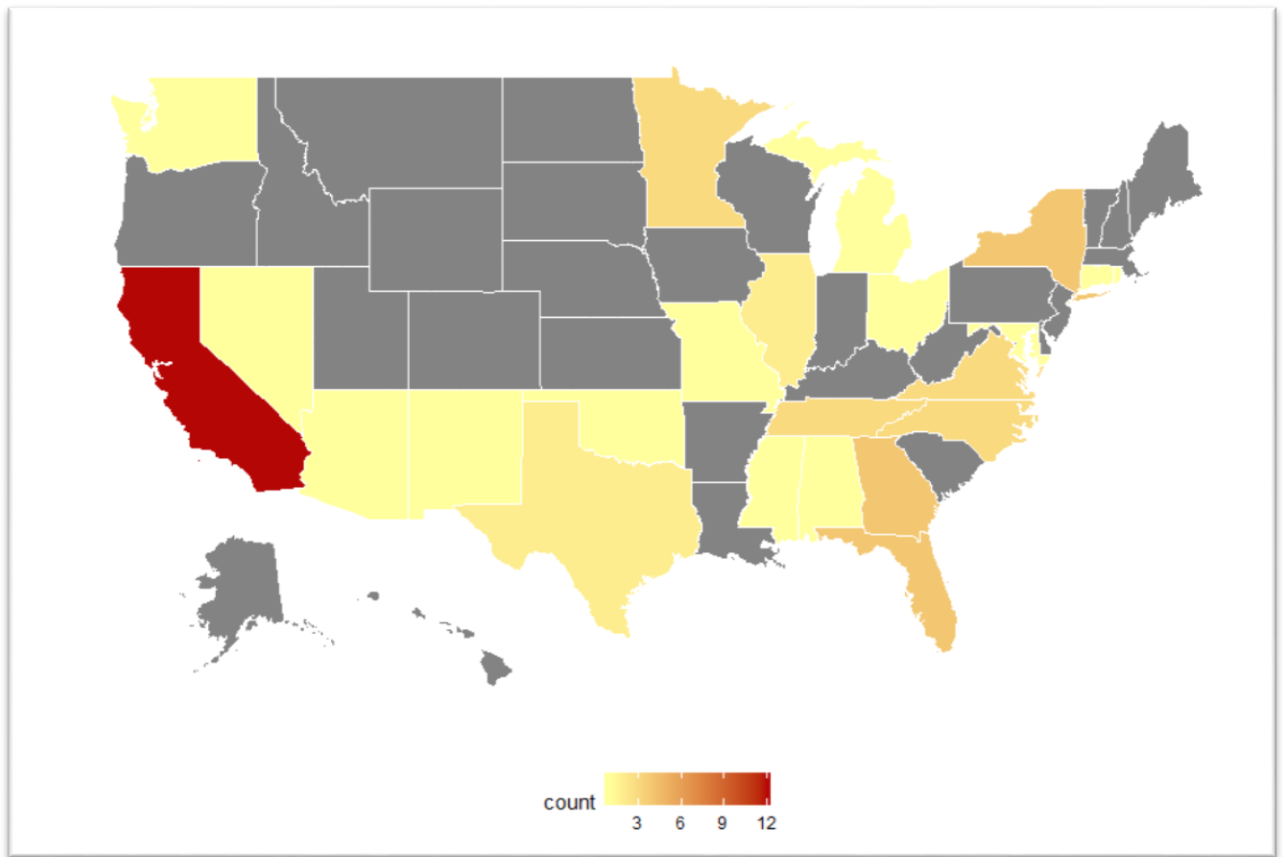
1. We have collected 51,193 tweets on the topic of flu over the span of several weeks.
2. The keywords we used for tweets extraction are as follows
   a. #flu
   b. #influenza
   c. #cough, #fever (together)
3. Out of 51,193 tweets roughly 125 of them had non-NA geolocation values.
4. Out of 125 geolocations 53 geolocations were in US.
5. We grouped the locations for each state and then produced a heatmap of the US map depicting the population of states in the extracted geolocations.

Charts:

CDC Heatmap

Twitter Heatmap

Conclusion:

As we can see that the southern states are more struck by flu and it is clearly depicted by the twitter heatmap