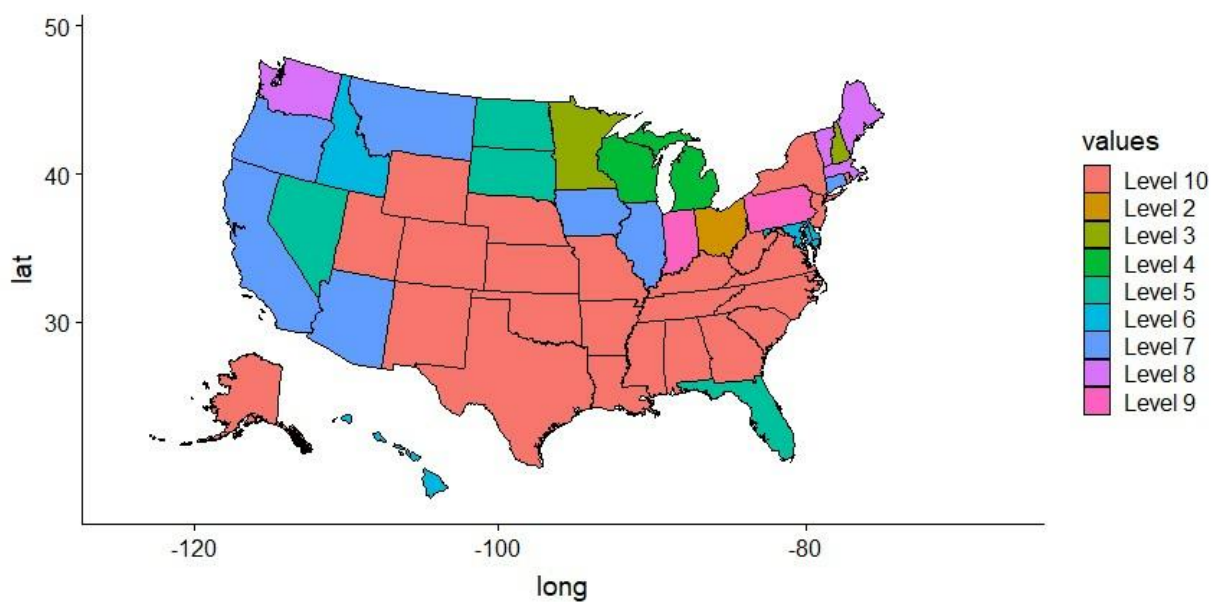


Report:

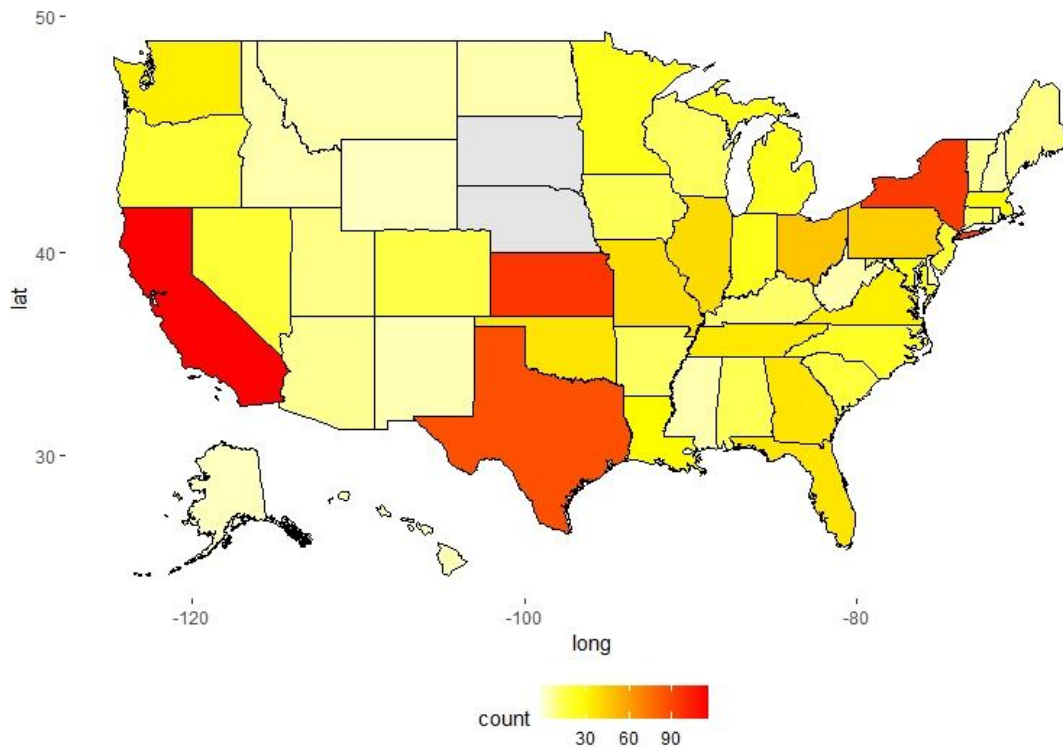
CDC Heat map obtained in Part 2:



This is the map we obtained from the data using the heatmap data on the CDC website.

Below map is obtained from all the keywords we used for comparison. We can clearly see that the states in the middle have no tweets at all but the data on the cdc website has tweets.

Heat map obtained in from all the keywords:



It can be observed that many of the states match in terms of intensity of flu related keywords, meaning there are quite a few of the common states that have a similar level in their respective maps. States like California, New York, Texas and Kansas all share similar levels of flu prevalent in both the maps. There are also many states where the level of flu prevalence and flu-related keyword mentioning does not match. Also, out of all the tweets collected in part 3, two of the states have no mention of flu-related keywords.

The following images are the heat maps referring to only one keyword each, flufever and influenza respectively. We see that the observation during comparison of our CDC heat map and heat map referring to all the keywords also holds for the heat maps referring to single keywords. The grey colored states are the states which had no flu prevalence or mentioning of flu related keywords from the collected tweets.

Heat map obtained in from all the keywords “**flufever (1)**” and “**influenza(2)**”:

