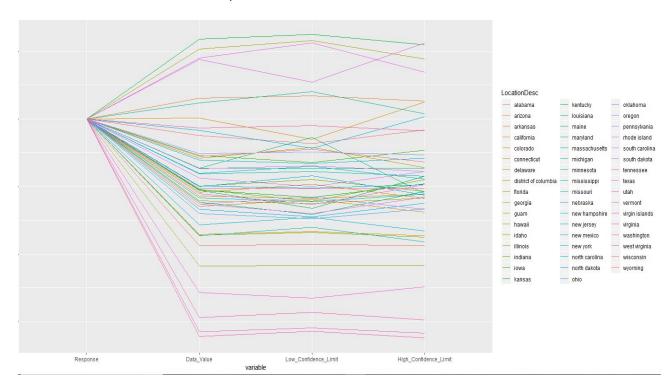
- 1. I exported clean data as Tobacco_export.csv
- 2. The clean data bellow:

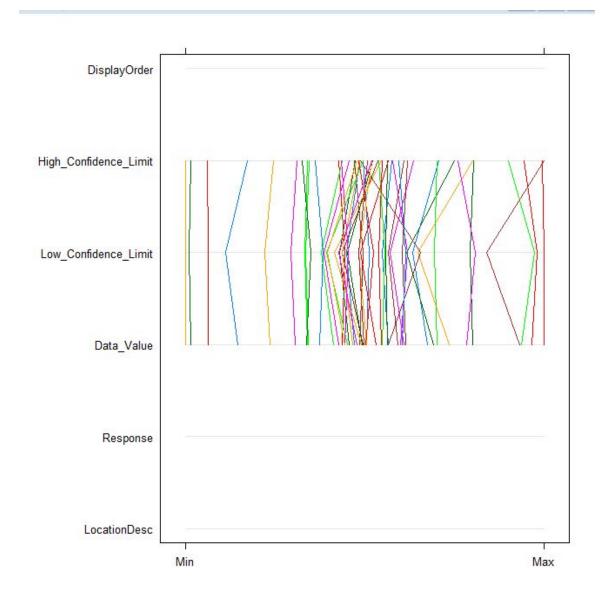
	LocationDesc	Response	Data_Value	Low_Confidence_Limit	High_Confidence_Limit	DisplayOrder
1	alabama	2	15.959259	12.492593	19.425926	7
2	arizona	2	8.800000	6.613889	10.997222	7
3	arkansas	2	18.391667	15.275000	21.512500	7
4	california	2	11.333333	9.233333	13.441667	7
5	colorado	2	17.100000	12.750000	21.450000	7
6	connecticut	2	9.517647	7.341176	11.703922	7
7	delaware	2	12.264583	10.110417	14.414583	7
В	district of columbia	2	12.016667	9.300000	14.733333	7
9	florida	2	14.466667	12.266667	16.666667	7
10	georgia	2	11.717949	8.969231	14.469231	7
11	guam	2	21.566667	18.533333	24.550000	7
12	hawaii	2	7.471429	5.364286	9.566667	7
13	idaho	2	9.466667	7.283333	11.600000	7
14	illinois	2	12.461111	9.113889	15.813889	7
15	indiana	2	12.658974	10.389744	14.930769	7
16	iowa	2	14.666667	11.391667	17.938889	7
17	kansas	2	12.429167	9.350000	15.512500	7
18	kentucky	2	22.236364	18.878788	25.596970	7
19	louisiana	2	12.375000	8.713889	16.033333	7
20	maine	2	11.616667	8.333333	14.933333	7
>	0.0000000000000000000000000000000000000					

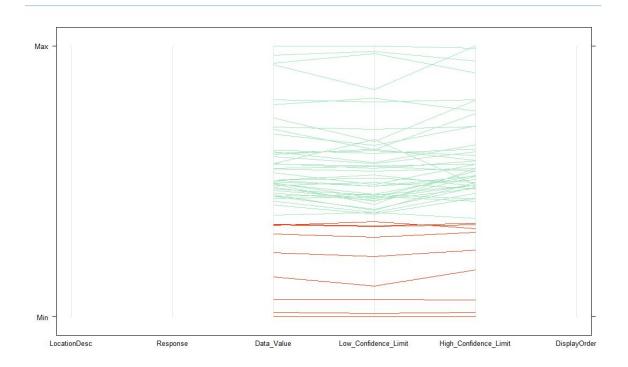
3. I used Parallel Coordinate Plot to plot the data for different states



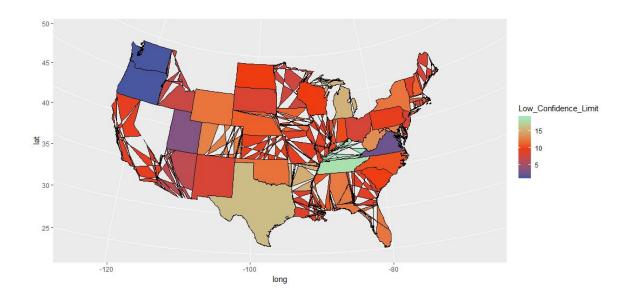
4. I used 'clustering technique' to cluster the data

parallelplot(TobaccoModifiedFinalAverage2)





5. I Used map to visualize the variation of a variable across the states



Conclusion:

For this Tobacco Survey, we can make relationship with each variables by parallel plot.

With parallel plot we can easily compare each state. Correlations can be observed as states are plotted on the chart. Each state corresponds to a line drawn through point on each axis corresponding to the value of the variable.

Yes, Clustering help in visualizing information. For example, In this information, if the Data_value is more than 10 then the color is greenish and if less than 10 then the color is reddish.