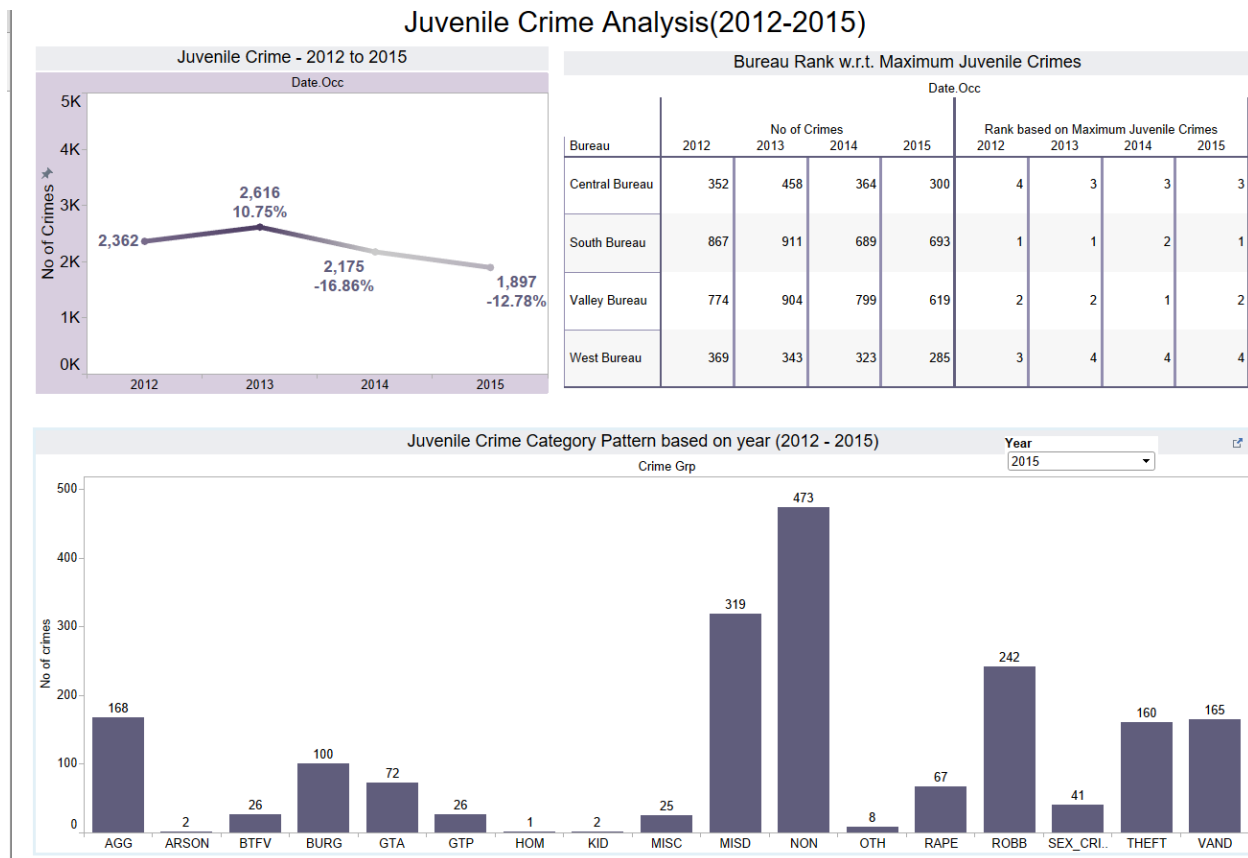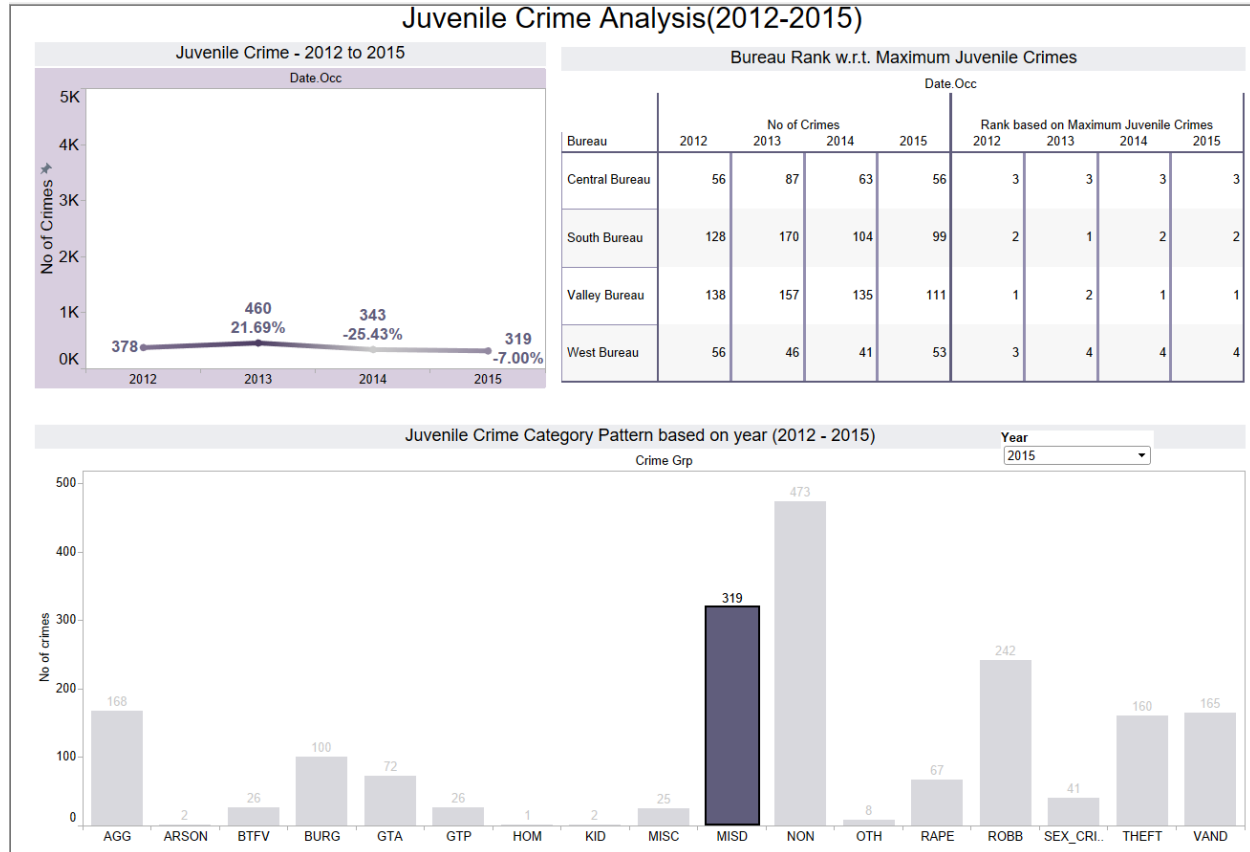## DASHBOARD

The LAPD crime dataset has been analyzed based on the total no of crimes and the total juvenile crimes under various crime categories, bureau, and year. A proper analysis with respect to the juvenile crimes helps us to understand the pattern of crimes prevalent in juveniles and by studying this pattern we can prevent children from committing crimes in the future. Thus helping such unfortunate children in building a promising future. From the below mentioned dashboard we can which bureau has the maximum crimes in the year and the different categories of crimes committed in the year 2015. The line graph tells us that year 2015 has the least no of juvenile crime. From these 3 graphs on the dashboard we can determine that which bureau had the maximum juvenile crime and what was the overall juvenile crime, it also helps us to compare the juvenile crimes per bureau with the maximum juvenile crimes in that year. The other graph helps us to understand what type of crime category was the most predominant in the year 2015.
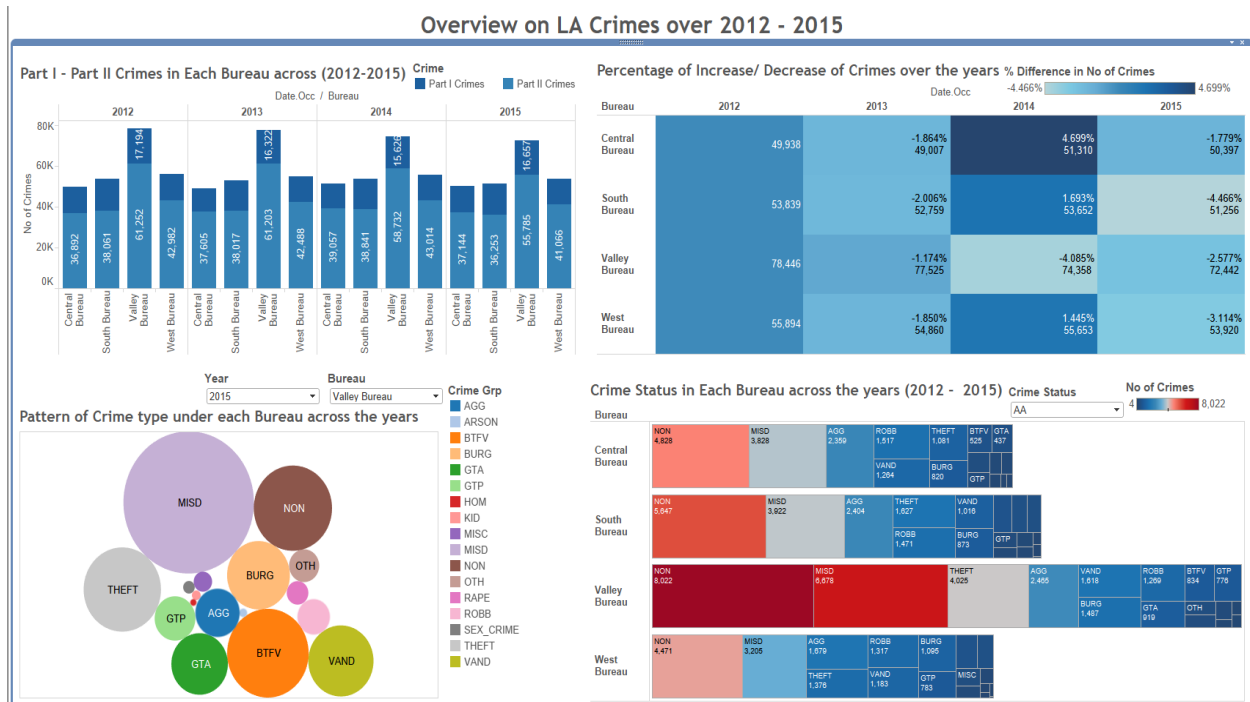
Without Filter:

Now when we apply a filter on the Juvenile crime category and choose MISD we will obtain a different perception on the other two graphs. The line graph will show the no of MISD crimes committed over the years and the percentage difference relative to the previous year and the Bureau rank wise graph will show the no of MISD crime committed is each bureau and also the rankings over the years. This visual analysis provides us with a transparent understanding on the juvenile crimes than the data.

With Filter :

The next dashboard consists of Crime patterns based on crime category, status, bureau and total no of crimes over the years. In the dashboard action a filter is set on the bubble chart and except for the tree map remaining two charts are checked as the target sheets on which the filter will work. Now when we choose each crime category in the bubble chart, the corresponding value of that crime category will appear in the other two chars. Suppose we choose MISD category in the bubble chart then we get only the part II data over the years across each bureau in the first graph because MISD is part II crime. Similarly the second graph the difference in percentage of MISD relative to the previous year and also the total MISD under each year across each bureau.

Without Filter :

With Filter :