About my Visualizations

* The first figure is a color sorted histogram displaying a relationship between the student counts of schools and the average dropout rates within those facets. Each vertical bar is an increasing measure of 20 students. At its lowest points rates as low as 5 percent can be seen from the largest schools while at its height the schools with student populations between 60-80 and 300-320 peak at 48 and 56 percent.
* The second figure shows the average overall dropout rate by school type with each school type having the total of its campuses measured to show that despite the previous figure leaning towards lower student populations having drastically higher dropout rates on average that it’s school’s located in what the state of Texas declares as “Large Cities” that have the highest average dropout rate with an overall average of 2.59 percent opposed to the lowest rate coming from “Rural Remote” towns at barely 0.39 percent.
* “Fringe Towns”, shown in the second figure, have the second highest school type dropout rate at 1.75 percent overall and in the first figure it’s noticeable that “Fringe Towns” are also the largest dropout rate in the four highest rates found in the first figure. Ockham’s razor would suggest that Fringe towns are therefore the most likely to produce dropouts, but I wanted slightly more than that. So figure 3 contains a box and whisker plot to eliminate any possible outliers and show that “Large Cities” are still have the highest rate without outliers, having an upper fence of 6.1 percent.