**Analysis of Trends based on College Type**

**Number of colleges analysed:**

Engineering 19

Ivy League 8

Liberal Arts 47

Party 20

State 175

Chart, line chart

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Chart, bar chart

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* The above 2 graphs shows the power of visualization. Here we can see that the salaries

of the graduates from the different college types start between 40-60k. However Ivy League grad salaries jump exponentially , they takes a lead from Engineering at about Mid\_25th percentile

and then grow exponentially.

* One interesting thing we notice is Engineering salaries starts falling behind Liberal Arts at Mid\_75 percentile, even though at the start, they were much lower.
* The state school salaries are significantly lower than the rest of college types and that theme

continues along the centiles , even at 90% they are way lower.

* At first the values of Ivy League Colleges seemed like outliers but, they reflect real life.
* The salaries at higher percentiles are higher.
* The swarm plots  There are many more state colleges in comparison to other and more no of students going there, still the salaries are much lower. The Ivy League colleges such as Harvard,Cornell,etc have few students as it is really tough to get into but we also see that students belonging to these colleges also get higher salaries than other college.

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**Sub Analysis:**

By Engineering College-:

* The min starting salary at these colleges is around 46K and max at 75.5K.The average start salary at the start is around 59K and jumps to about 100K by mid career.
* The first graph below shows the ranking of the colleges by the starting salary .CIT ,MIT and Harvey Mudd are the top 3 in that order.
* However if we see the percentage growth between the start salary and the mid career salary as depicted in the 2nd graph ,the top 3 colleges are WPI, Cooper Union and New Mexico Tech.

**Thus it is how we analyse our data and the information we are wanting to retrieve.**

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