Project 2:Analyze Survey Data
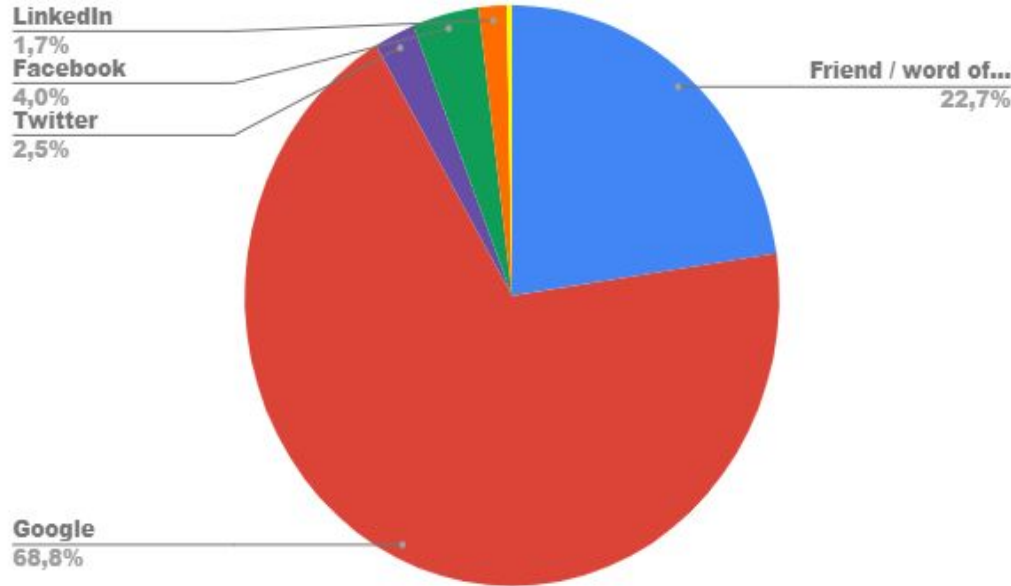
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How survey respondents found out about Udacity ?

Count: How did you find out about Udacity?

LinkedIn
1,7%
Facebook
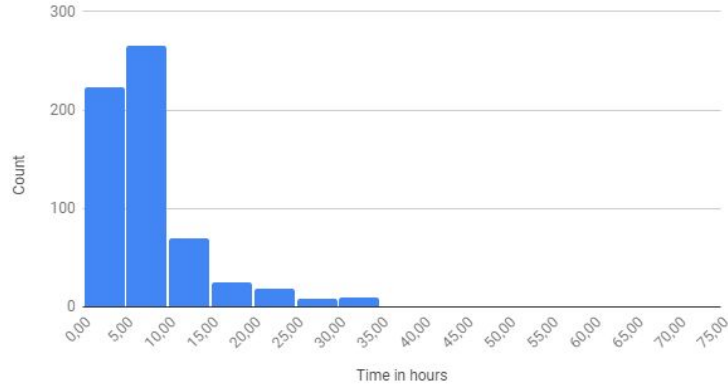4,0%
Twitter
2,5%

Friend / word of...
22,7%

Google
68,8%

Here is a Pie Chart from the survey respondents.The number of people that responded was 648.

As we can see,the biggest percentage(68.8% ,red colour) learnt about Udacity from Google and the second biggest from a friend.Also, the smallest percentage learnt from Billboard(0.3% ,yellow colour).
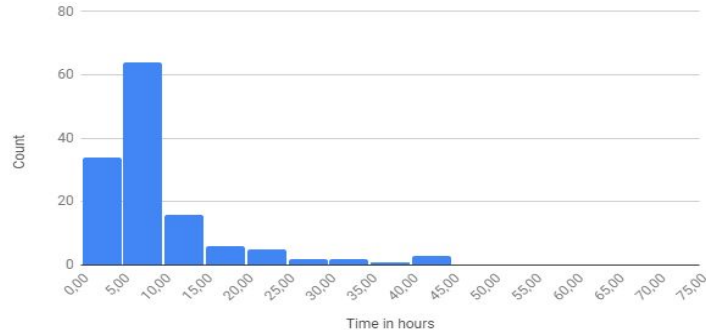
Note:This data is from Survey Respondents and is not from the entire Udacity Student population.

Do study hours per week differ by unemployment ?

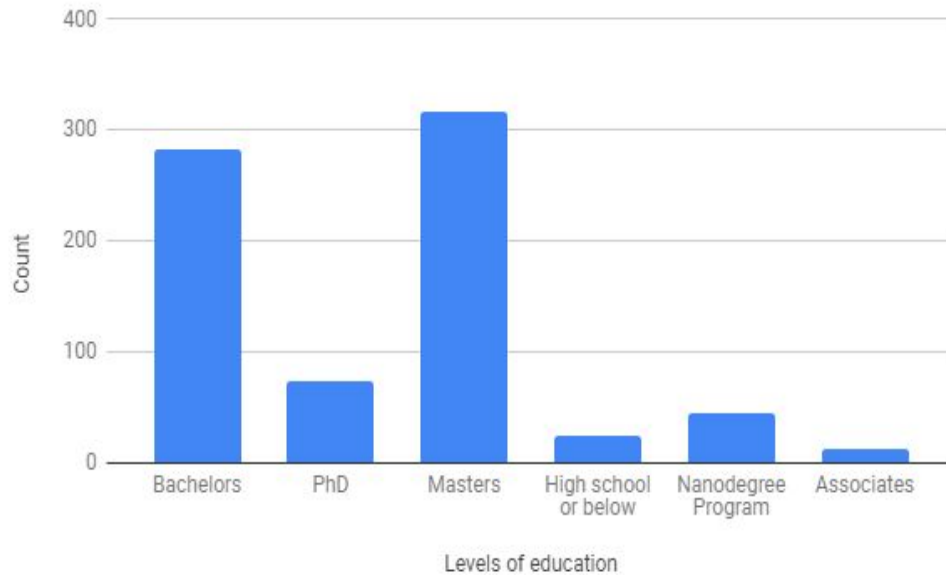Study hours per week for Employed

Study hours per week for Unemployed

Here are the histograms for employed vs unemployed students.At first glance, it appears that the two histograms are right-skewed and as a result the mean is higher than the median.

According to the data,the median and the mode for each group appears to be similar and exactly 6 hours/week.Also, there is a difference in average study hours per week as unemployed spend around 8 around hours while employed around 7 hours.

However, the standard deviation for unemployed is approximately is 7.5 hours per week while for the employed is 6 hours per week.Therefore, the variability in study hours per week for unemployed is larger.

What is the highest level of education ?
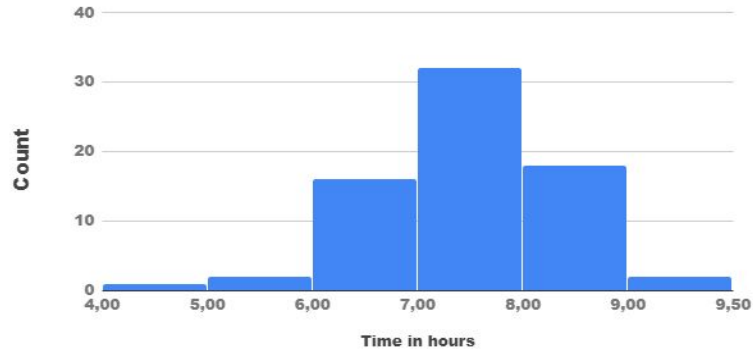

What is your highest level of education?

This is a bar graph that shows the level of education of the students.The number of people that responded was 753.

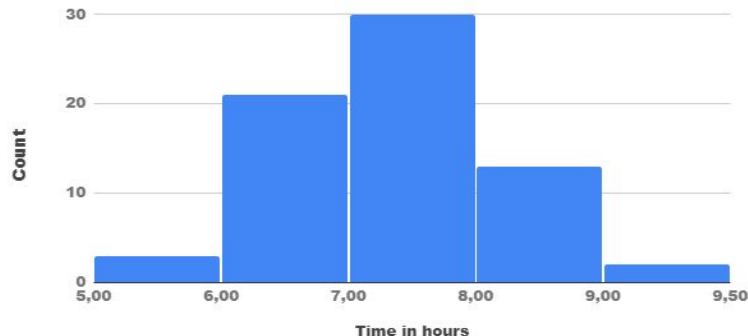As we can see, most students have a master degree(316) while the second highest is bachelor degree(283).

Note:This data is from Survey Respondents and is not from the entire Udacity Student population.

Do hours of sleep differ in different countries ?

On average, how many hours of sleep do you get per night?(Argentina)

On average, how many hours of sleep do you get per night?(Russia)

Here are two histograms for Argentina and Russia from which were the most students(more especially, 73 students from Argentina and 69 Russia).

Having removed an outlier from Argentina(that was 85 which did not make any sense),we can observe that the two histograms are almost similar between them.They have exactly the same mean,median and mode, while the two standard deviations are almost the same.Also the range for Argentina was at first 81 hours showing that the data set is more spread from the mean which is due to the outlier.Having removed the outlier the range is 5 hours while for Russia is 4 hours.