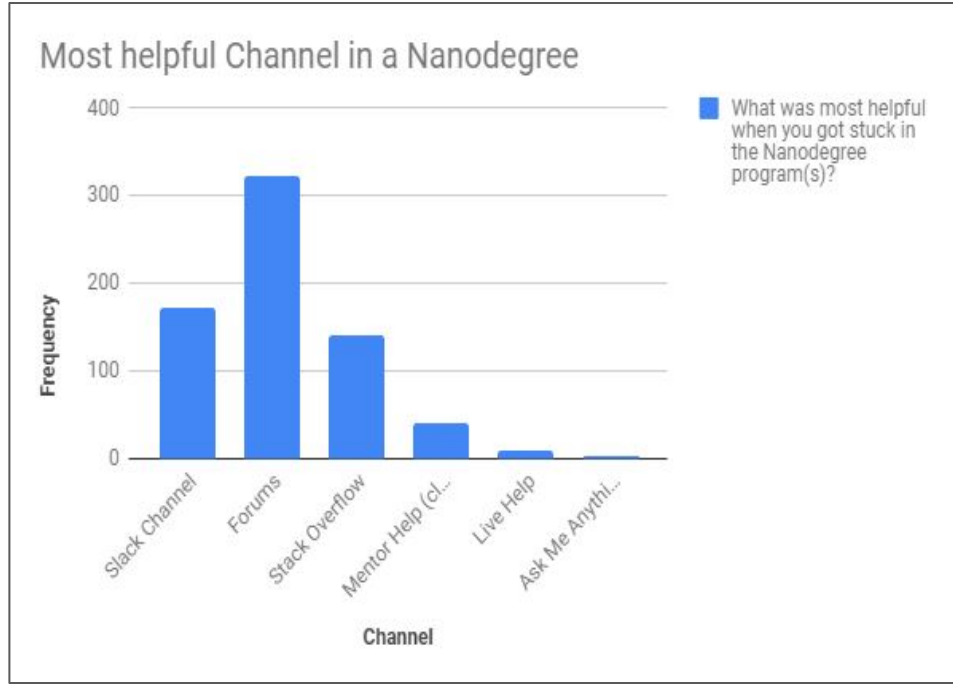


# **Data Foundation Nanodegree**

**P-2: Analyse Survey Project**

**By:- Ankush Kumar**

# Most helpful channel in a nanodegree?

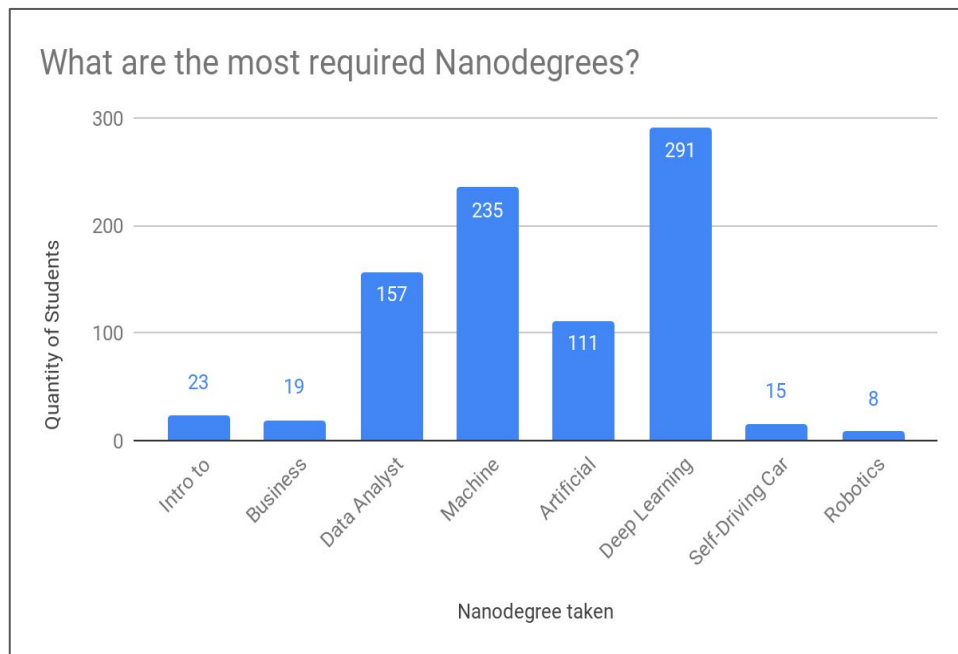


**As depicted here, how frequently a given channel is helpful for students in their respective nanodegrees.**

**From the given plot, it shows that Forum channel contribute most in helping a udacity students**

**Apart from forum, Slack channel and Stack Overflow bags second and third position respectively, which adds value in helpful channels to the udacity students.**

# What are the most required Nanodegrees by udacity students ?

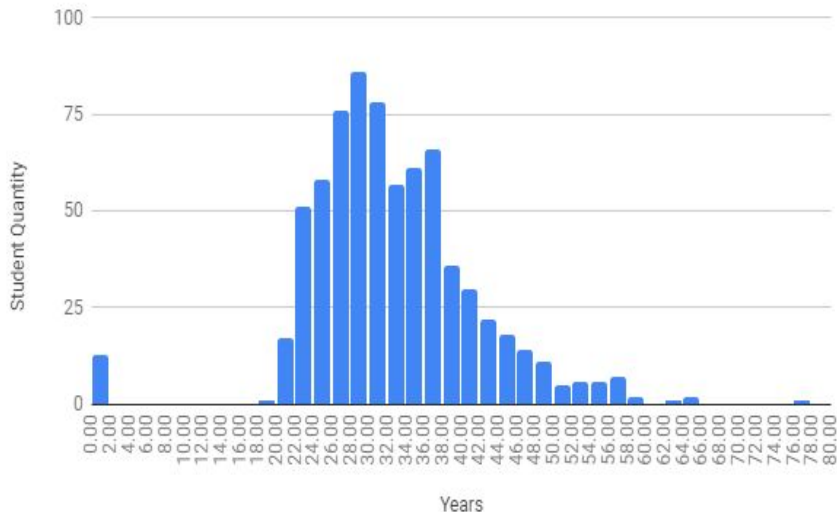


From this histogram we can see that the most required nanodegree is *Deep Learning Foundation* and the second most required is *Machine Learning*.

This data is from survey respondent and is not from the entire udacity students population.

# Age of udacity students ?

Age of Udacity Students

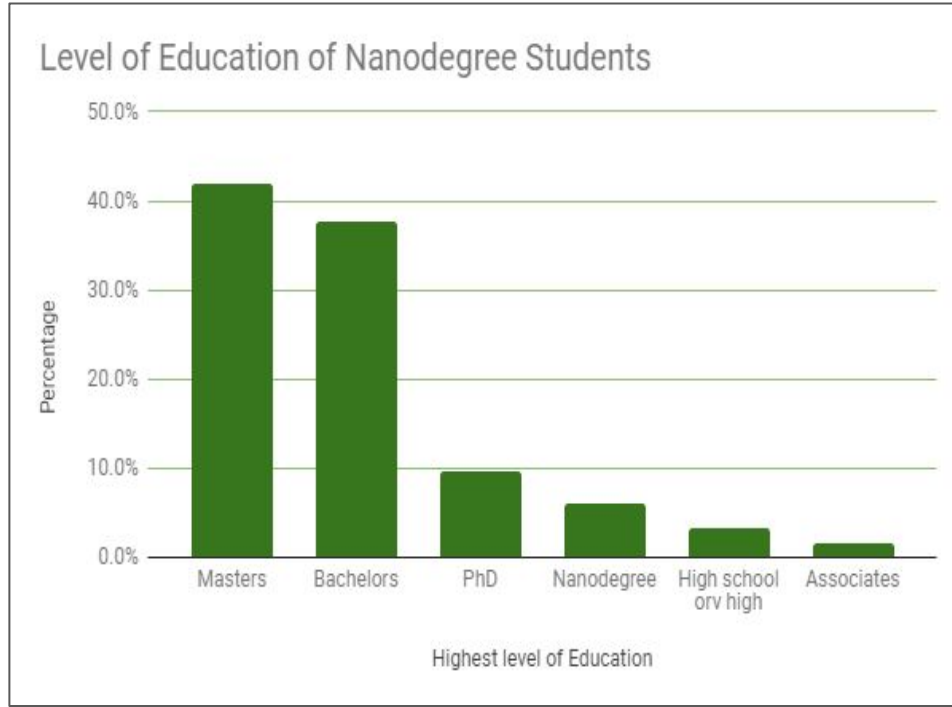


Summary Statistics	Value
Mean	32
Median	31
Mode	27
Standard Deviation	9.17

From the dataset the average age of the following sample of udacity students is 32 years old. Adult group age is most active in taking the nanodegrees. The most frequent value 27 the mode and the mean is about 31 suggesting that is it over by 4 pt but median is an intermediate value therefore it makes modes the best choice to not effect the data.

Accounting for the outliers, the statistics suggest that data is positively skewed, outliers are having a great influence on the data which is portrayed by the value of Standard Deviation which is approximately 9.17. Considering the right skewed distribution of these values of Udacity's students and a Range of 56 years, we can conclude that students have a great age difference between them. This data is from survey respondent and is not from the entire udacity students.

# What is the level of education of Nanodegree Students ?

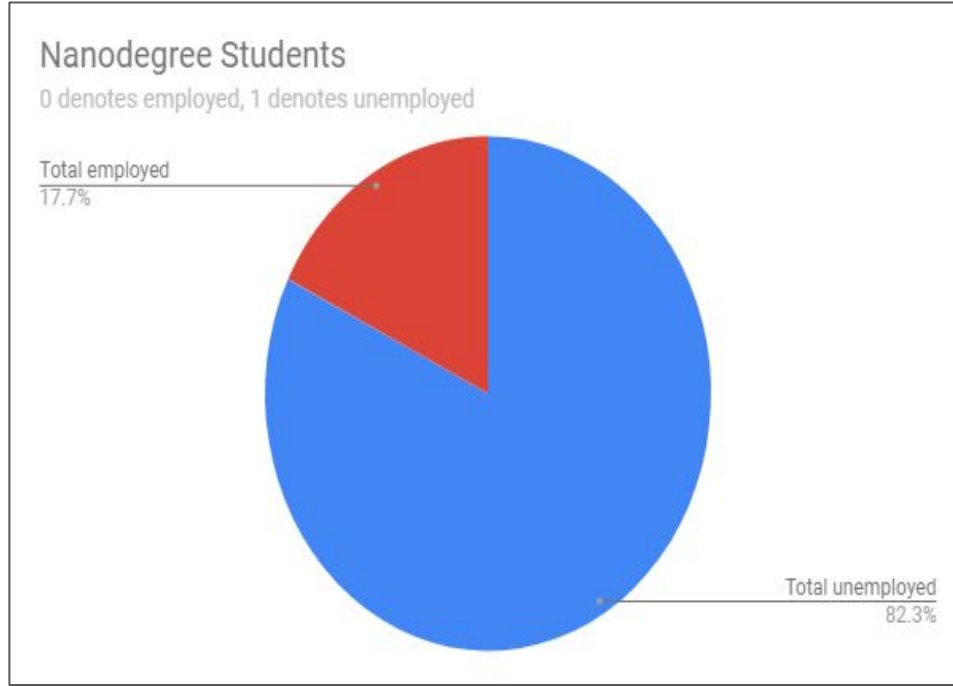


Here is the Bar Chart which contains the level of education of students, following a nanodegree.

The highest percentage of students approx 42% have a Master Degree as their highest level of education while 28% of students poses a Bachelor Degree.

The rest of the students in value of approximately 10% have as highest level od education PhD, Nanodegree program, or Below & Associates

# What percentage of students are unemployed?



**Here you can find a pie chart with employed and unemployed students**

**From data provided, it shows that majority of students in percent of nearly 82% are unemployed while only 18% (approx) are employed.**

**As this data is from survey respondents and is not from the entire udacity students we can't be able to say about the true results from this pie chart.**