

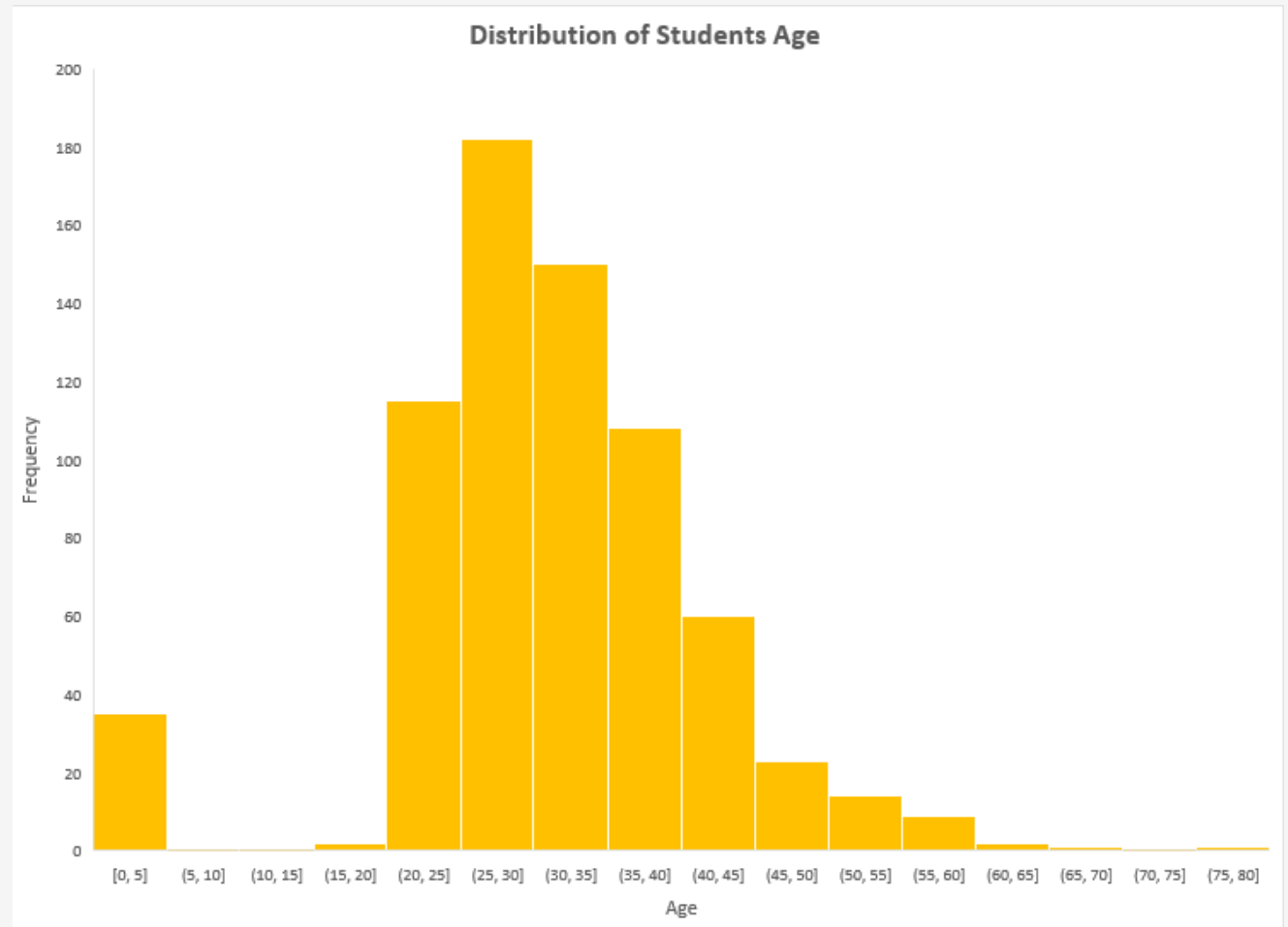
SURVEY ANALYSIS REPORT

DFND Project Two

Students Age Distribution

Here is a histogram of bin size 5 showing the distribution of students age. The distribution appears to be right skewed. It has a mean of 33.15 and a standard deviation of 8.36, meaning 64% of the students are within the age range $33.15 - 8.36$ and $33.15 + 8.36$.

From the distribution, we can see that the modal age range is 25-30, and most of the students are within the age of 20 and 40. With this, we can conclude that most of Udacity students are Adults, while the minorities are teenagers and senior citizens. There were cases where the ages were 1,2,181; these ages appear to be outliers and were replaced with the median age.

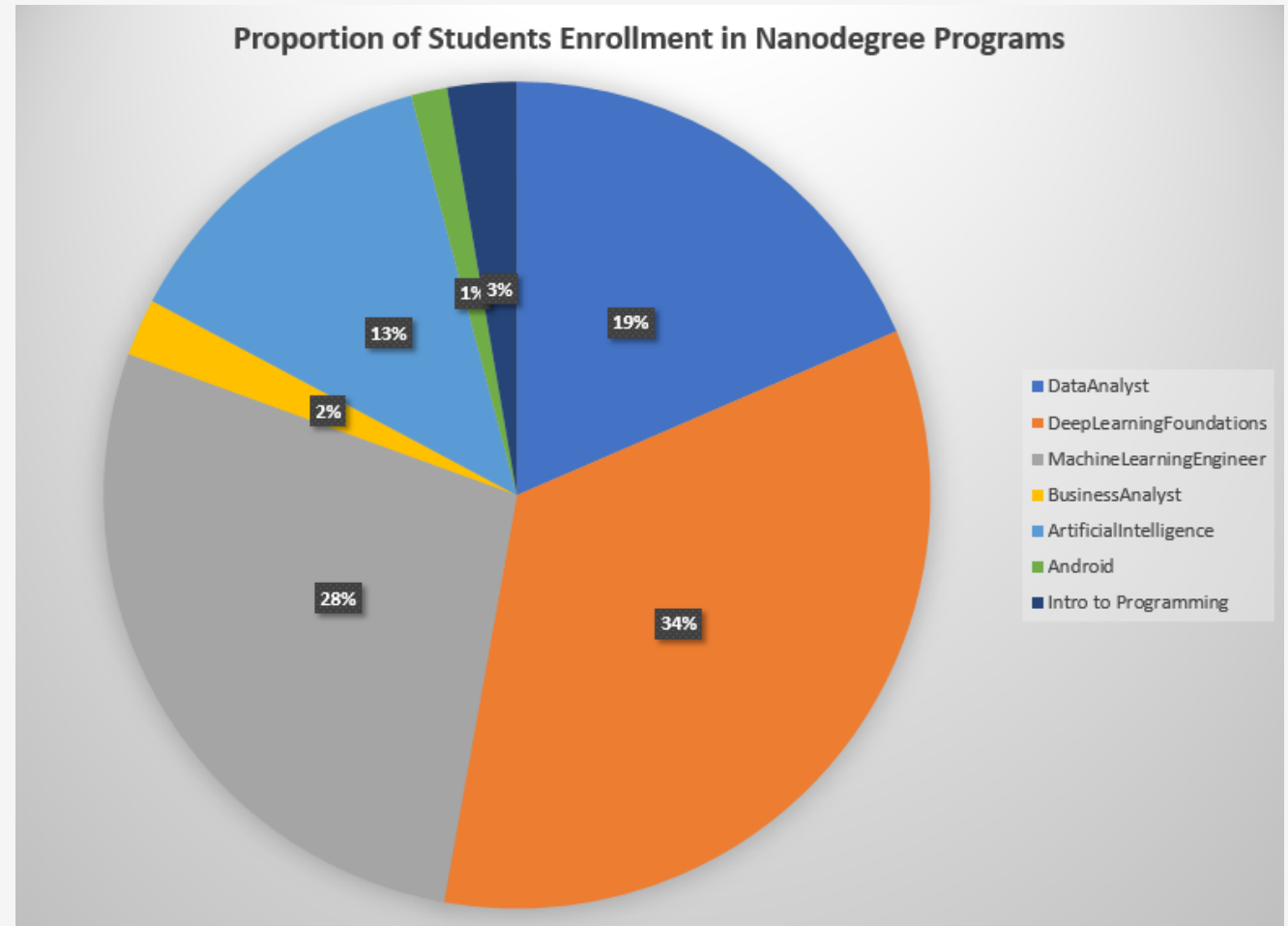


Nanodegree Enrollment Proportion

The pie chart here shows the proportion of students enrolled in 7 of the various Udacity nanodegree programs. The frequency and proportion of these programs was collated to plot this chart. Each color and slice represents a nanodegree program

It appears that more than 50% of the students that were surveyed are enrolled in Deep Learning Foundations and Machine Learning Engineer. While 6% of the students are enrolled in Android Development, Business Analyst, and Intro to Programming.

This shows that the most enrolled courses are machine learning and data science related courses.



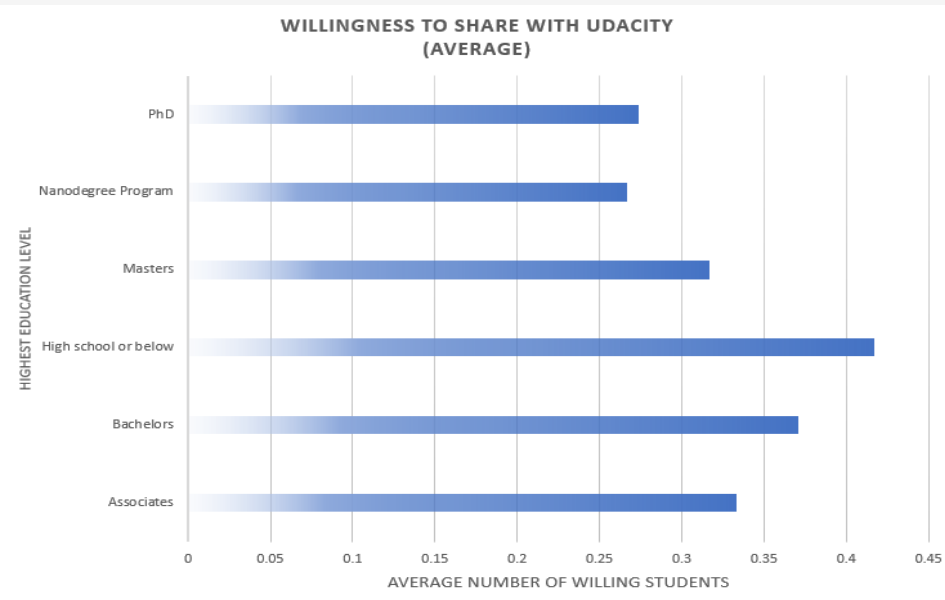
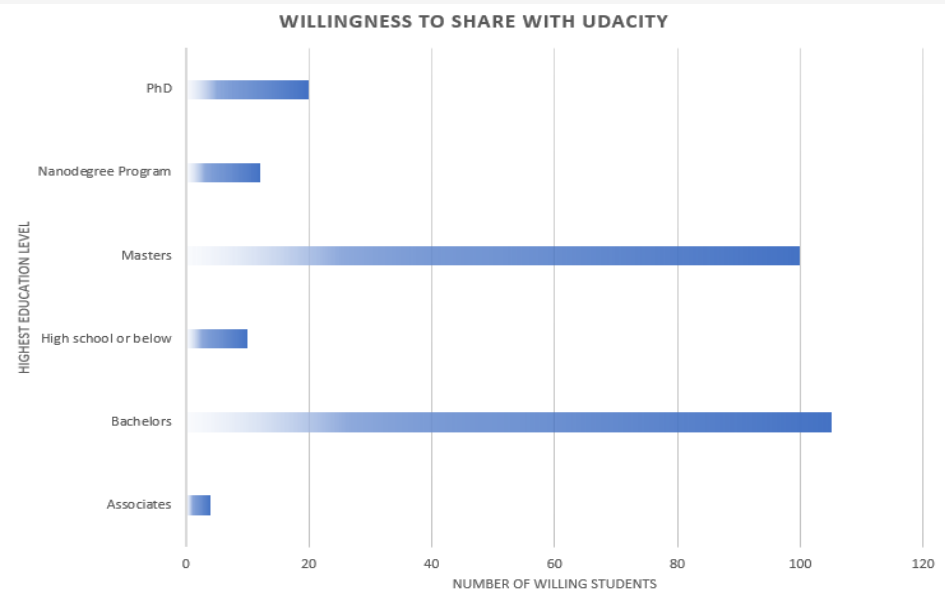
Education Level Vs. Willingness to Share

The bar chart at the top shows how much students of different education level are willing to be featured on Udacity blog, help inspire others to be in demand and learn new skills with Udacity.

It appears Master students are the most willing while Associate students are the least willing students.

However, when number of willing students is divided by the number of students in each level, we observed in the lower chart that the education level with highest average number of willing students is High school and below, while the lowest is Nanodegree program students.

With this we can conclude that High school and below students are most willing to be featured on Udacity blog, help inspire others to be in demand and learn new skills with Udacity.



Channel Found Most Helpful

Here is a bar chart showing the frequency at which students found each channel listed in the survey most helpful. To get this chart, the frequency of each channel was observed.

The line appears to be at its peak at Forums, and at the bottom at AMAS. This means most students find Forums most helpful when they are stuck, and AMAS least help.

From this we can say that Academic related problems are not discussed during AMAS, and students mostly get the help they need when they are stuck in the Forums.

