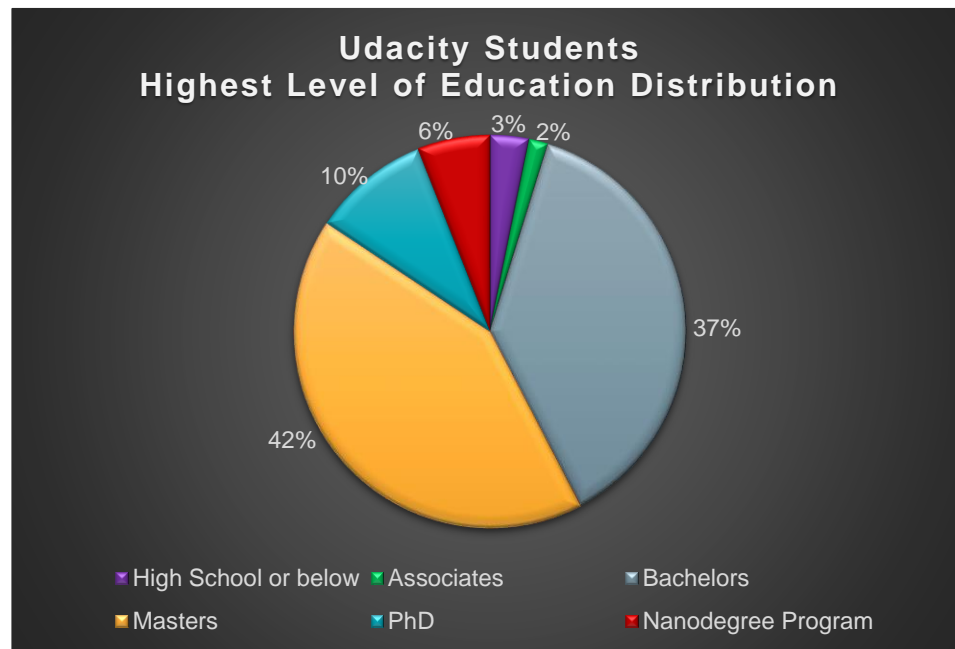


Analyze Survey Data

What are the most common highest Levels of Education for surveyed Udacity Students?

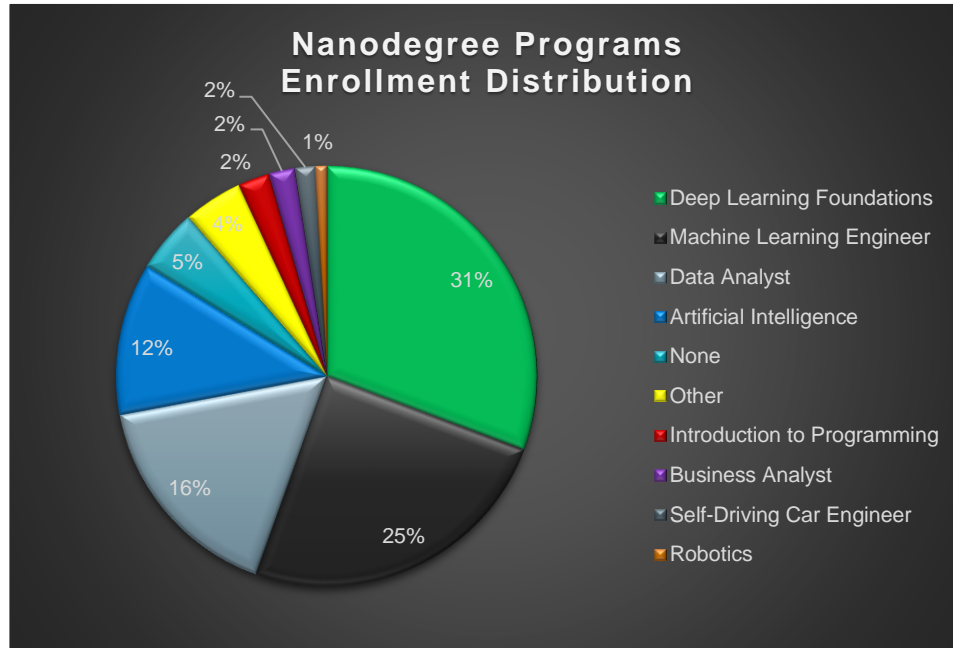


From the pie chart it is clear that the majority of students are with Masters and Bachelors degrees, with five percent difference between the two. PhD students account for nearly ten percent which is four percent more than Nanodegree students. Only a small minority hold degrees other than these main four.

Here is the distribution ranking:

1. Masters – 42%
2. Bachelors – 37%
3. PhD – 10%
4. Nanodegree Program – 6%
5. High School or below – 3%
6. Associates – 2%

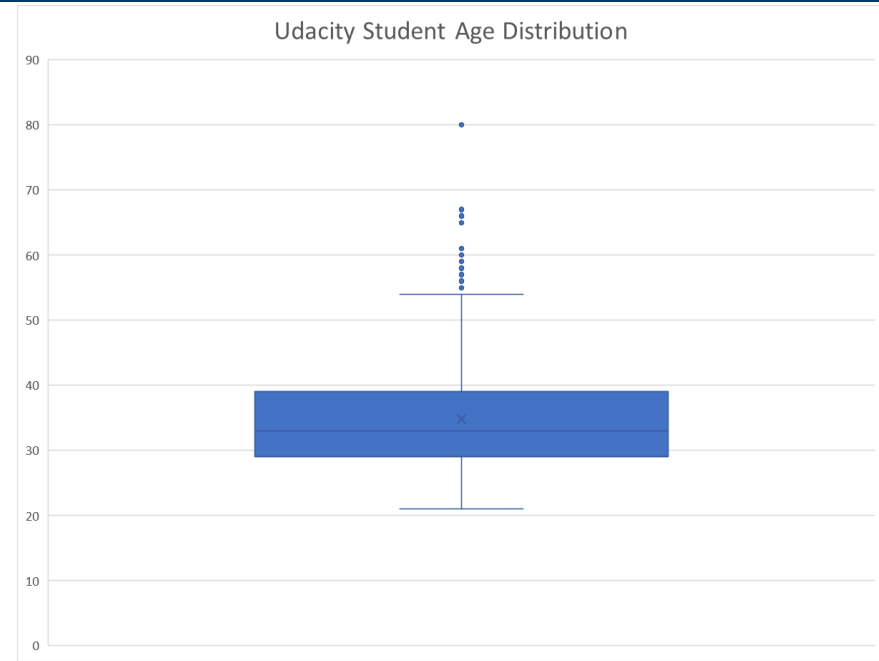
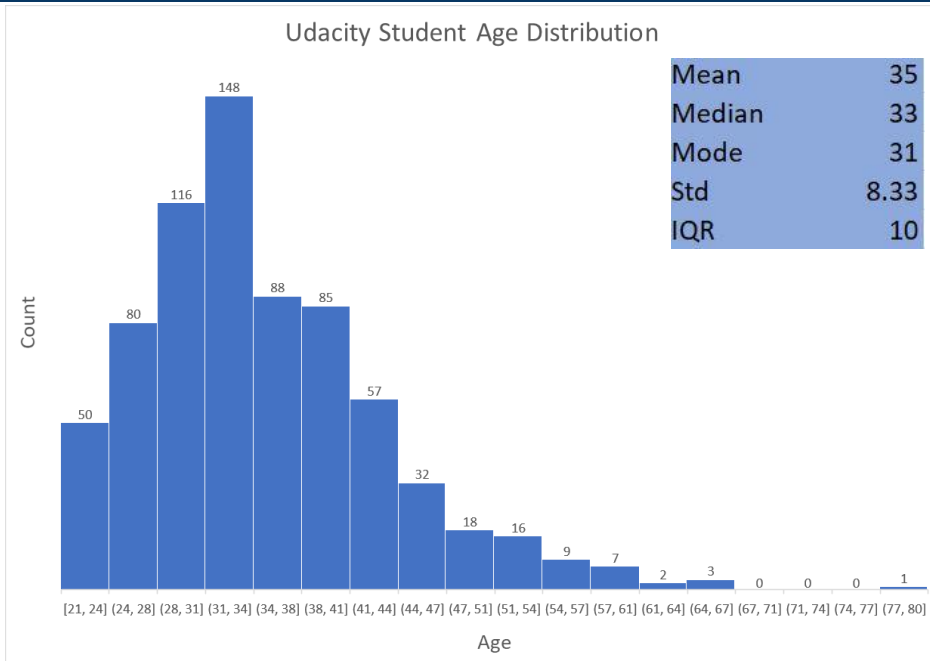
What are the most common Nanodegree Programs which surveyed Udacity Students take?



According to the chart, Deep Learning Foundations and Machine Learning Engineer are the most common programs. Data Analyst and Artificial Intelligence come next. Around five percent of students either enroll in other programs or do not enroll at all. About two percent or less of students take programs other than the aforementioned ones.

Overall, the majority of surveyed students prefer programs related to Artificial Intelligence.

What are surveyed Udacity Students' Age Distribution?

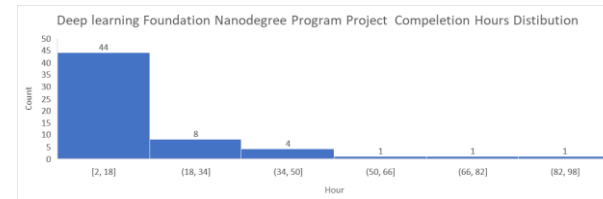
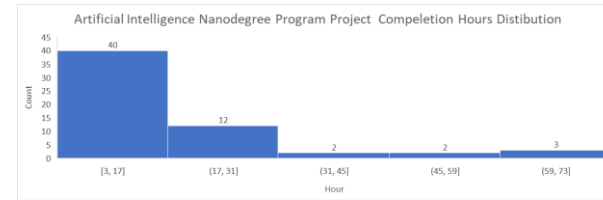
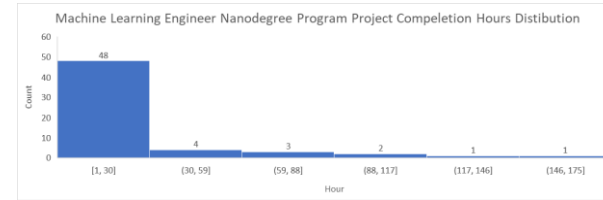


According to the histogram and the box-plot, surveyed Udacity students' age distribution is slightly right-skewed. The mean (35), median (33) and mode (31) are pretty close to each other. Yet, the standard deviation is around 8.33 and is close to IQR (10) which means that the variability among students' ages is large. Base on the aforementioned statistics, the majority of surveyed Udacity students are 24-41 years old.

Does the Number of Hours to complete a Project differ by Programs?

Number of Hours to complete a Project

	Machine Learning Engineer	Artificial Intelligence	Deep learning Foundation
Minimum	1	3	2
Q1	8	6	6
Q2	15	12	10
Q3	30	20	20
Maximum	1000	480	400



Comparing the above three different surveyed programs, there seems to be not much of a difference between number of hours to complete a project in the Artificial Intelligence Nanodegree program and that in Deep Learning Foundation one. Yet, there does appear to be that Udacity students spend longer hours in completing a project in the Machine Learning Engineer Nanodegree program than those aforementioned. Ignoring the extreme hours in each program, these surveyed programs have similar right skewed distributions.

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