

Project: Analyze Survey Data

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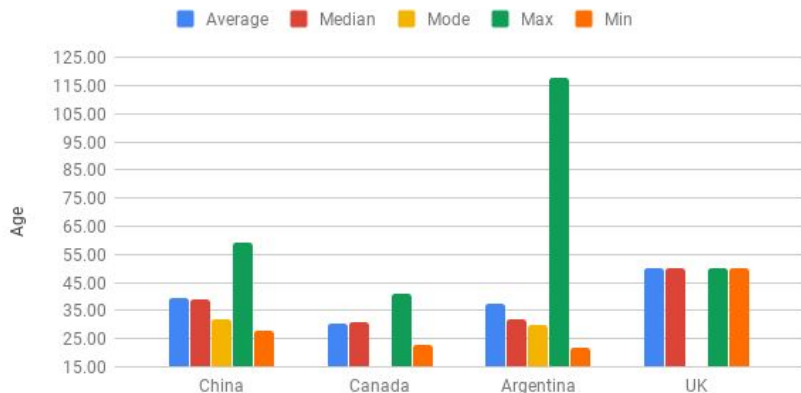
This data is from Survey Respondents and is not from the entire Udacity Student population.





What is the average age of Artificial Intelligence students per country?

Age statistics per country for Artificial Intelligence Nanonodegree



This bar chart shows the average age of Artificial Intelligence Nanodegree students from China, Canada, Argentina and UK.

In China mean (39.25) and median (39) are almost at the same level that means that data is normally distributed and there are no outliers. The average age is 39 +/- 7 years with mode 32.

In Argentina we see the highest range value therefore we can conclude there are outliers in the data (for example, max age is 118). Mean, median and mode show us that the chart is right-skewed: Mean > Median > Mode. The high standard deviation tell us how widely data is spread (37 +/- 20 years).

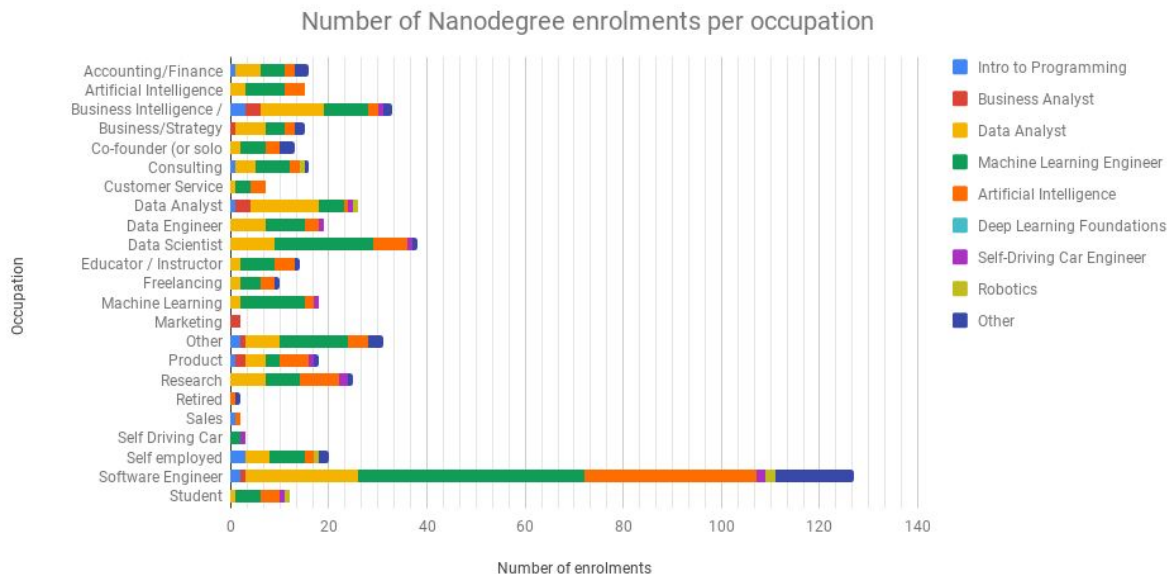
In Canada there is no mode value. Mean (30.4) and median (31) are almost equal this means that the data is normally distributed. The average age is 30 +/- 7 years.

For the UK we have only one data point therefore we can't make any reliable conclusions.

	Average	Median	Mode	Max	Min	SD	Count	Range
China	39.25	39.00	32.00	59.00	28.00	9.63	8.00	31.00
Canada	30.40	31.00	#N/A	41.00	23.00	7.06	5.00	18.00
Argentina	37.43	32.00	30.00	118.00	22.00	19.72	21.00	96.00
UK	50.00	50.00	#N/A	50.00	50.00	#DIV/0!	1.00	0.00



How spread the number of Nanodegree Program per occupations?



From this data, we can say that the majority industry that has the biggest amount of enrollments to the different Nanodegree Programs is Software Engineer and the less amount are Sales, Retired and Marketing.

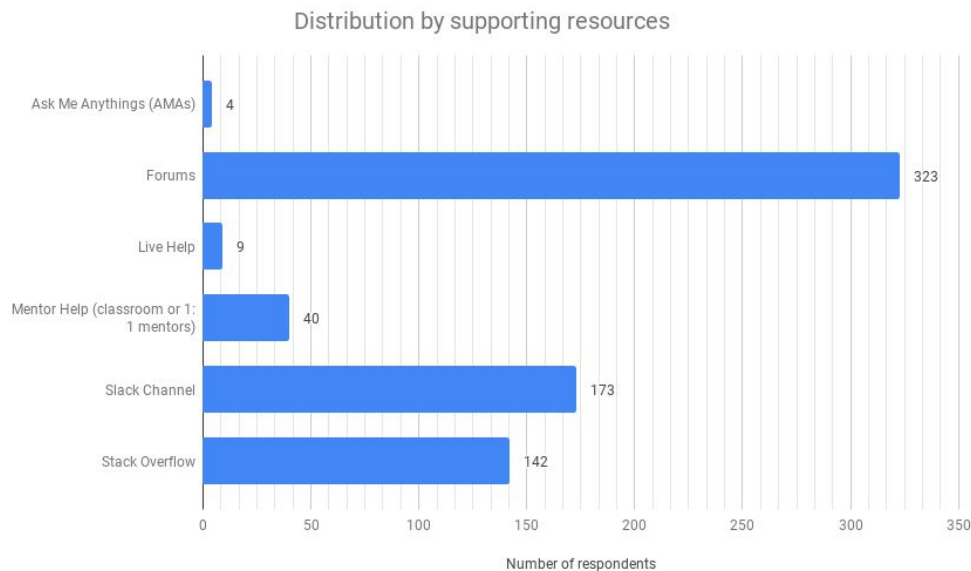
Almost every industry has a higher interest in Machine Learning, Data Analyst and Artificial Intelligence Nanodegrees.

We can see that the top 3 Nanodegrees are Machine Learning Engineer, Artificial Intelligence and Data Analyst.

It is interesting that some Software Engineers take Intro to Programming Nanodegree.



What is the most helpful resource used by students?



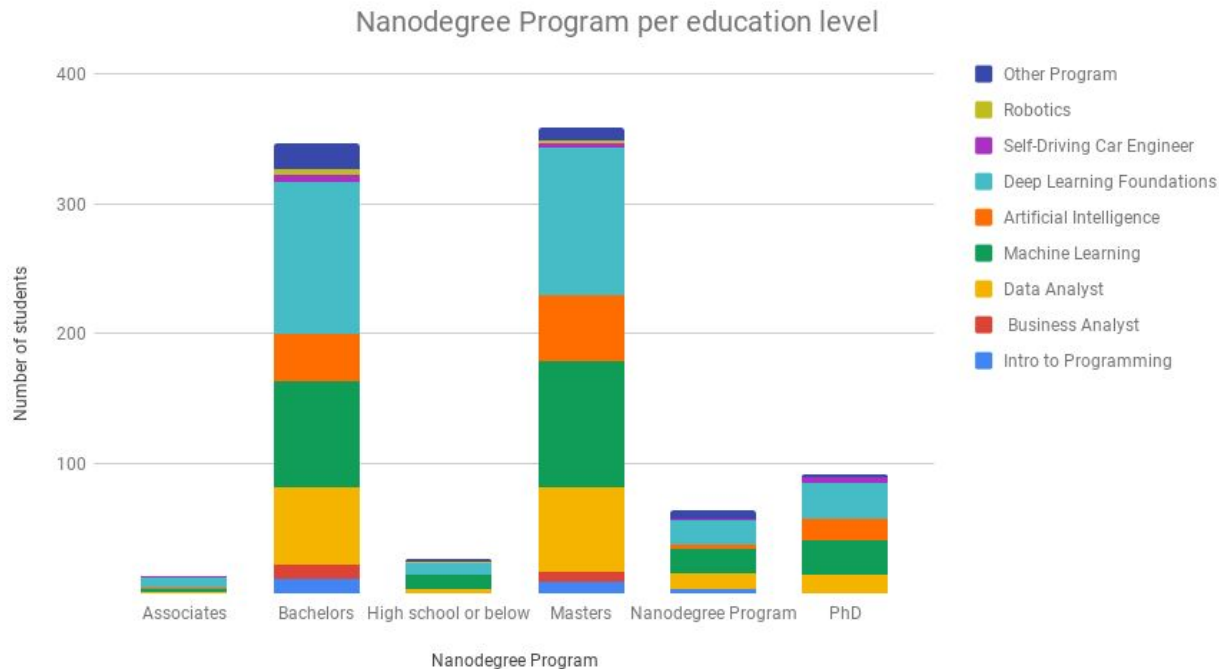
This bar chart shows that the majority of students choose Forums (323) as the most helpful resource while Ask Me Anything (AMAs) (4) chat is the less popular.

Slack Channel (173) and Stack Overflow (142) take the second and third place by popularity in this data set.

Mentor Help (40) takes only 40 votes which is around 8 times less than Forums, probably because it is not free.



What is the most popular Nanodegree Programs for different education levels?



Bachelors and Masters take the biggest number of Nanodegrees. At the same time among PHD, Associates, High school students Nanodegree Programs are not very popular.

We can say that the most popular Nanodegree is Deep Learning Foundations for all education level. Probably because Deep Learning is a trending topic nowadays.