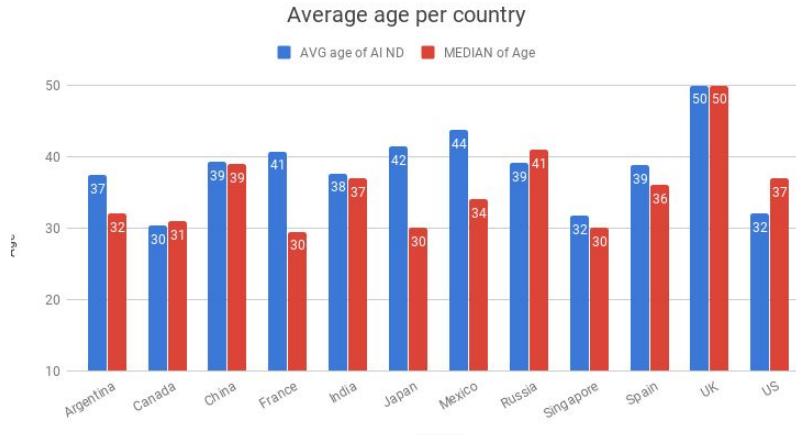


Project: Analyze Survey Data

Submitted by Iryna Soltyska



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



Average	35.2
Median	32.0
Mode	28.0
SD	17.6

First of all students age is not distributed equally between countries. There are countries like Mexico where the average age is 44 and countries like Singapore where the average age is 32 which is less than average age (35) of the whole data set.

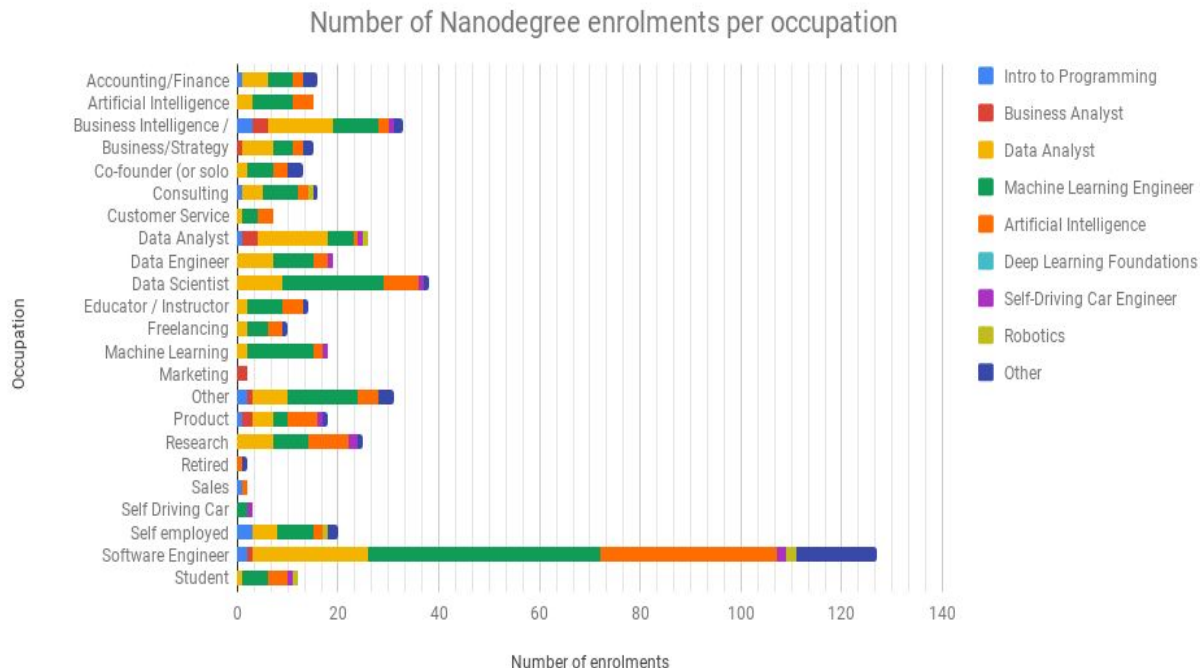
UK the country with highest average age 50. It looks suspicious but when we look at median which is equal to the average we can assume that there is only one record in the data set so the result is not reliable.

In most of the countries the average is higher than median except US and Russia. This means that distributions of ages in USA and Russia are left skewed and in other countries are right skewed. We can conclude that in Russia and USA there is more older than young students take the Artificial Intelligence Nanodegree.

And the last observation is the most common age of students is 28 (mode).



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.

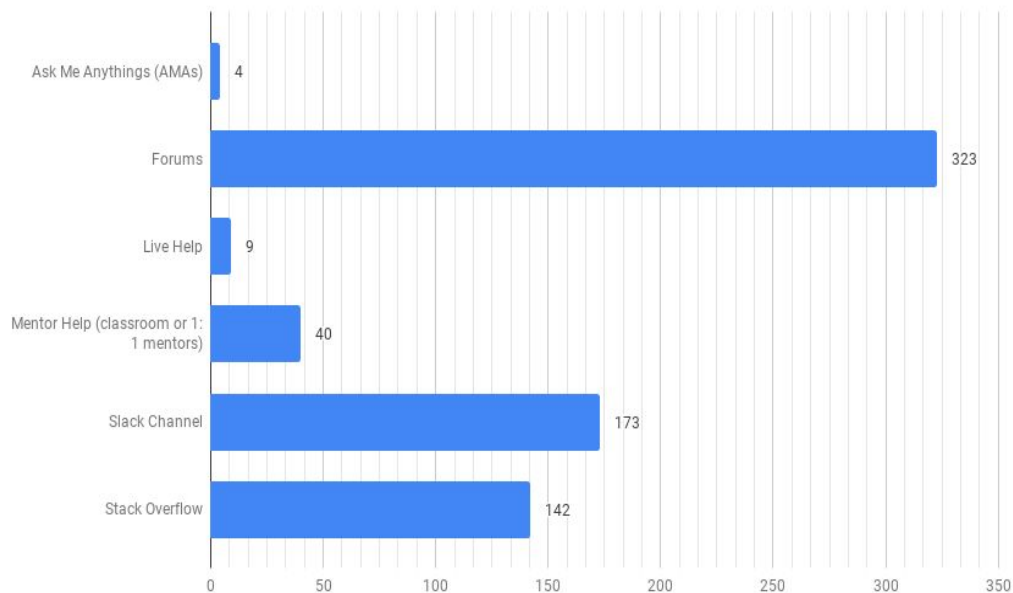
We can see that the top 3 Nanodegrees are Machine Learning Engineer, Artificial Intelligence and Data Analyst.

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



What is the most helpful tool used by students?

The most helpful tool



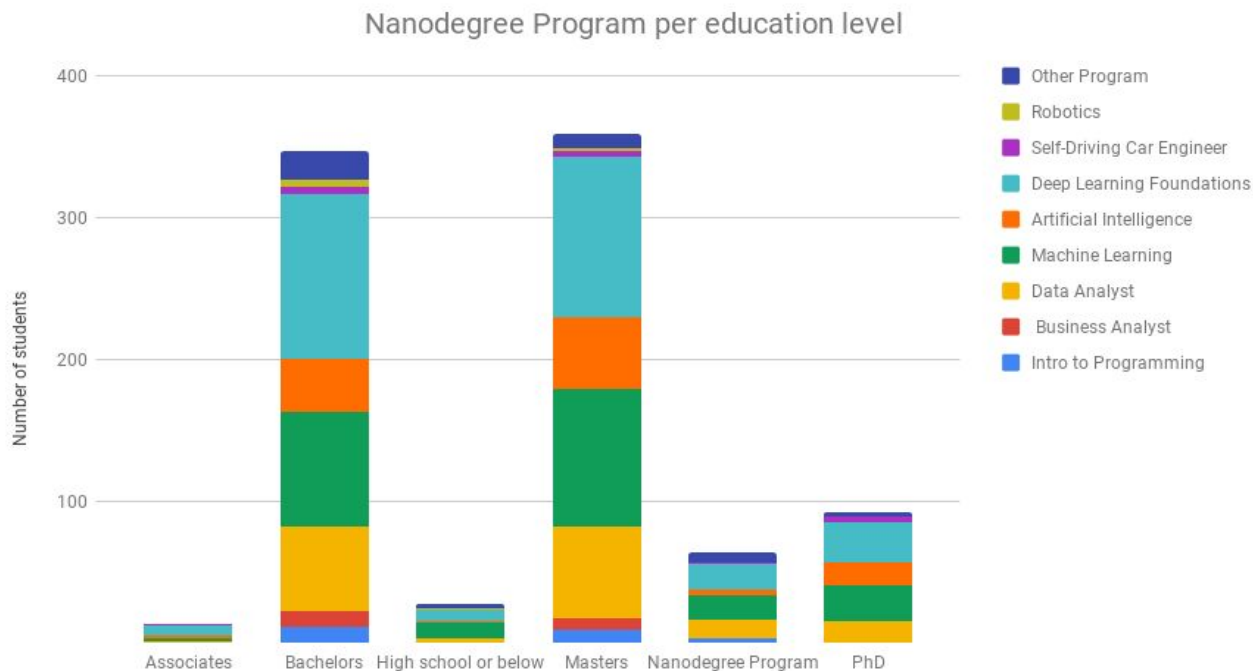
This bar chart shows that the majority of students choose Forums as the most helpful tool while Ask Me Anything (AMAs) chat is the less popular.

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

Mentor Help 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.