Who is more likely to Buy Swags - Indians or Americans?

64% of Americans bought Swag, while only 58% of Indians bought Swag. The average Swag Purchase rate for all countries was 55% and this was same as the Median. Both the US and India's Purchase rate was higher than the Average and Median of the Swag Purchase rate of all the countries.

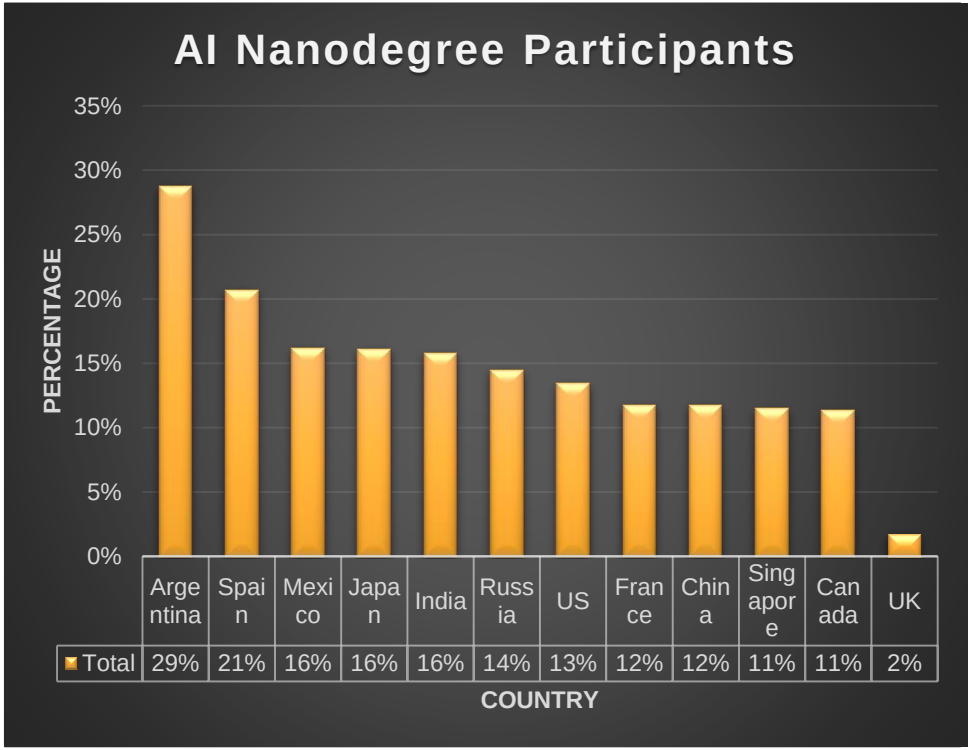
Standard Deviation (the average distance from the mean) was 5%. The US was more than one standard deviation from the mean, this meant it is potential outlier. Where, India was not more than one deviation.

The value ranges between 43% (Canada) and 64%(US) is 19%, which denotes the US had the maximum Swag purchase rate out of all other countries.

While comparing the range between Indians and Americans, the US had 6% higher than the India's Swag purchase rate and this concludes the Americans are more likely to Buy Swags.

Note: Sample Data Only. Result may vary for entire population

Which country has more number of participants in the Artificial Intelligence Nanodegree program?

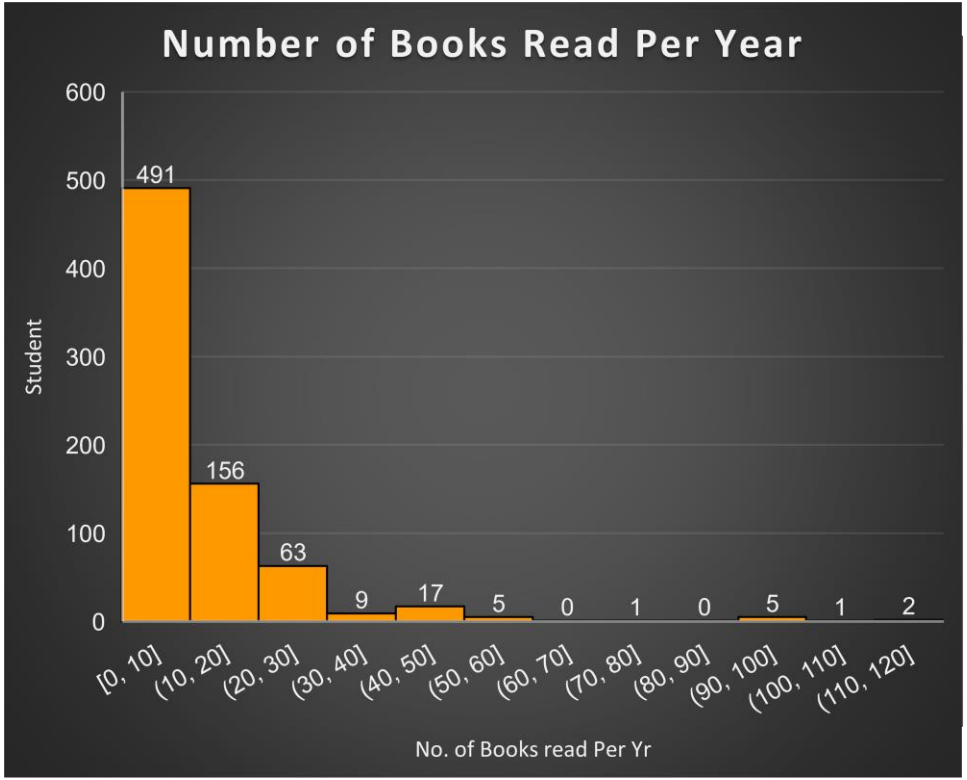


Argentina – 29%. The average number of AI Nanodegree program participants by country was 15% and more than a half of the countries were less than the mean.

Standard Deviation (the average distance from the mean) was 6%. Argentina was more than two standard deviation from the mean, this meant it was an potential outlier and the mode(repeated values) was 16% with three repetitions(Mexico, Japan, India). The AI Nanodegree Participants values range between UK (2%) and Argentina (29%), this was equal to 27% and most of the countries' AI nanodegree participants percentage was lower than this range value(27%). This denotes Argentina had higher participation rate in the AI Nanodegree program and also indicates a high demand for Artificial Intelligence in Argentina.

Note: Sample Data Only. Result may vary for entire population

Do students read many books?



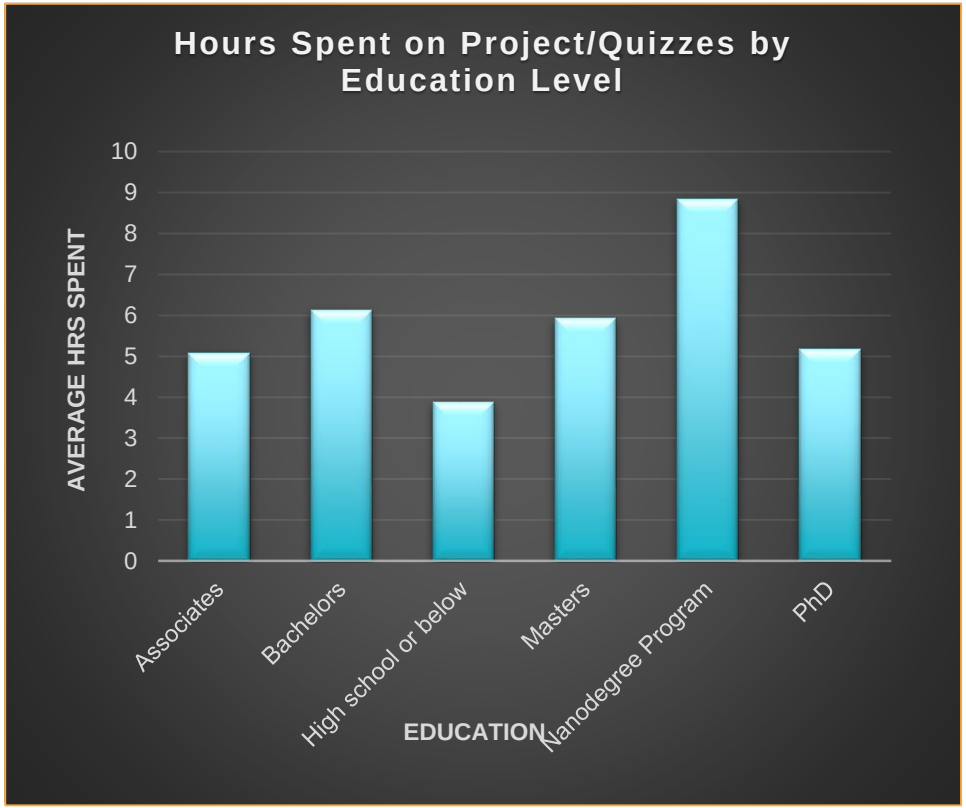
Note: Sample Data Only. Result may vary for entire population

The average (MEAN) number of books read per year is 13.5. It should be noted that the Standard deviation is 28.8 which is higher than the Mean.

The diagram is right-skewed, pulling the mean to the right of the median of 8. Given the skew of the diagram, the first quartile value was 4, the third quartile value was 15 and the median (second quartile) was probably a better indicator of center. The most common number of books read per year was 10.

The number of books read per year ranges between 0(min)-120(max) books. This indicates, either students read a lot of books or they do not read many books and also reflected in the large standard deviation and concludes the majority of students do not read many books. This could be explained by the 6+ hrs. of time commitment on average that the students spend on nanodegree work(Projects/Quizzes).

Which education-level group spends more amount of time on Projects/ Quizzes?



Note: Sample Data Only. Result may vary for entire population

Students who has the Nanodegree program as their highest level of education had spent the most time on Project & Quizzes per week (On average ~9hrs. / week).

The mean time spent on projects & quizzes was 6 hrs., where the most of the student group is less than this. The most common amount(mode) time spent was 5-6hrs and the average hours spent on Projects and quizzes ranges between ~4hrs. (High School or below) and ~9hrs. (Nanodegree Program), this was equal to 5hrs, most of the student group were approximately higher than the range value(~5hrs.). The standard deviation was 1.5hrs., which demonstrates a small deviation from the mean.

It appears as though Nanodegree students work harder and put in more time. This could possibly be due to lack of depth in background that would have been attained through formal study.