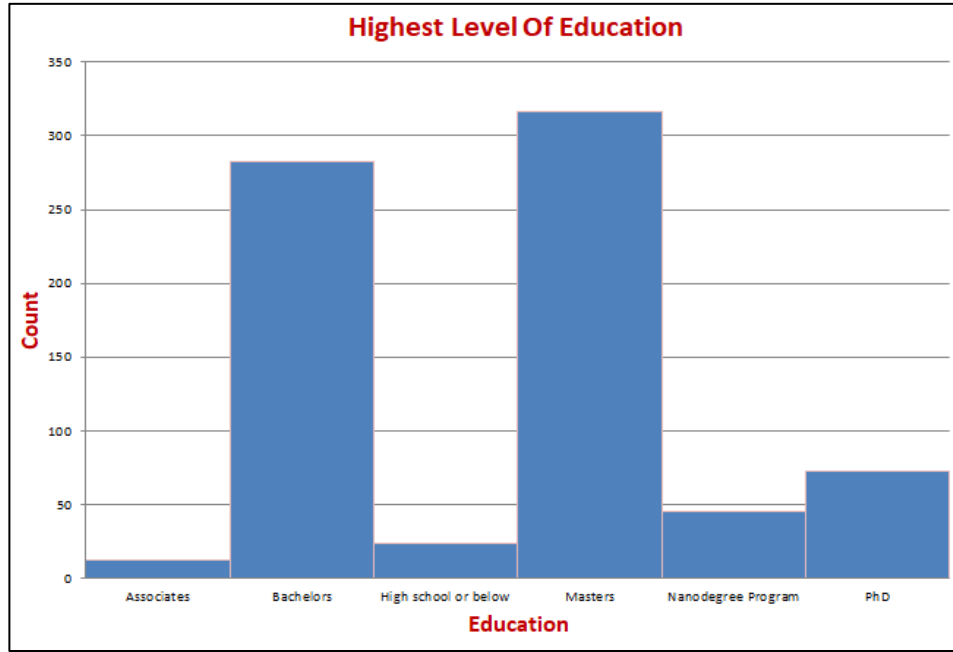# Laila Hussain Alqawain

Data Foundations Nanodegree

Project:

Analyze Survey Data

Highest Level Of Education

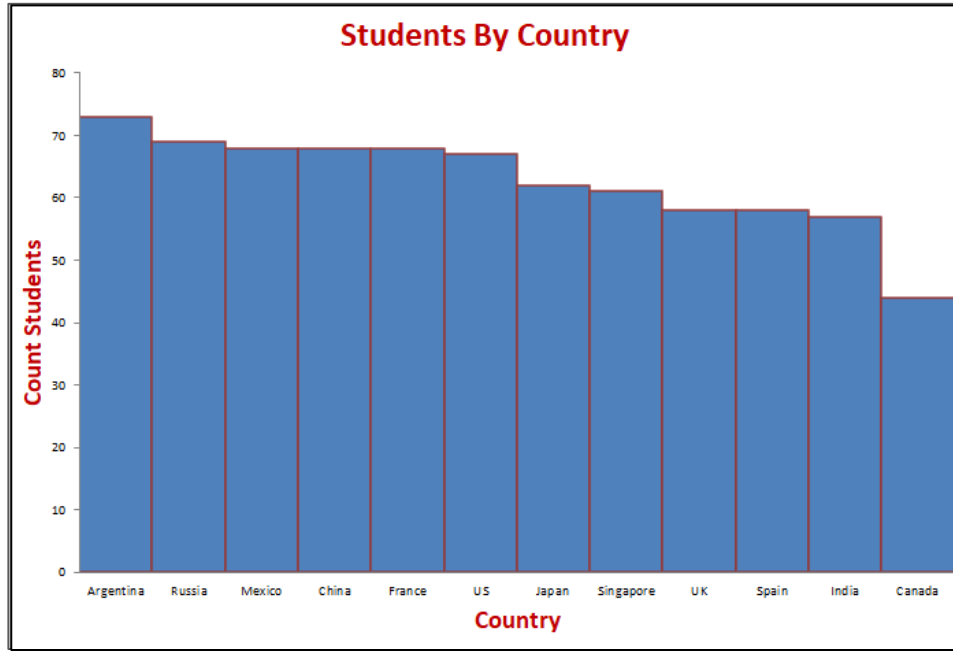

Highest Level Of Education

Here is a bar chart which apear Highest Level Of Educatin for students who survey respondents.

As we see highest level of education for students is Masters. They are about 316 student. The Bachelors students is nearest from Masters, they are 283 student. The lowest level is Associates, they are 12 student. High Schoolor below is nearest from Associates, they are 24 student. The Nanodegree Program students are 45 student. The PhD students are 73 student.

As we see the most students who survey respondents have Masters and Bachelors degree.
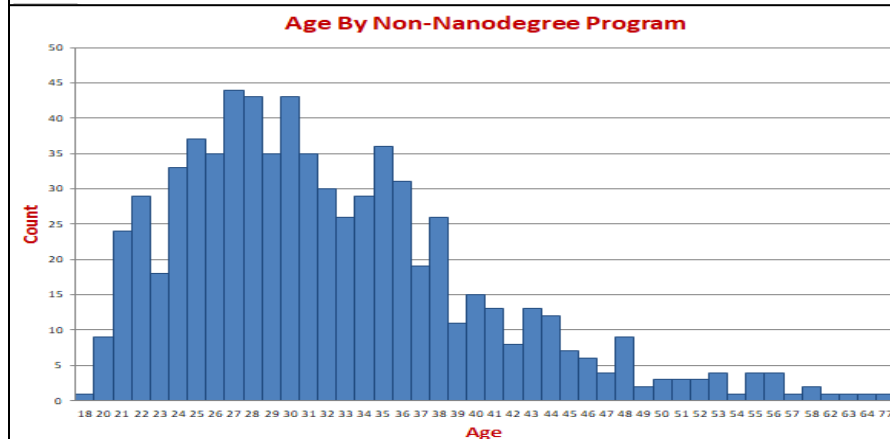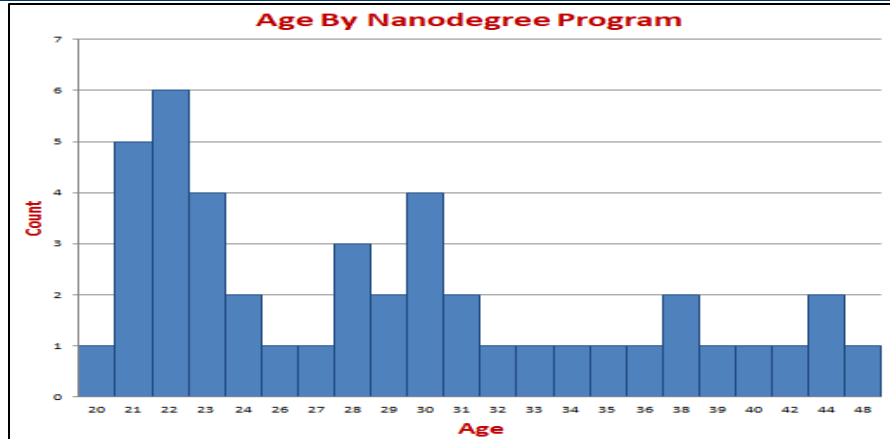
Students By Country

Here is a bar chart which appears count of students who survey respondents by country.

As we see, the highest number of student from Argentina, it's about 73 student. Canada has lowest of students who survey respondents, it's about 44 student. From Russia, Mexico, China, France and US, they are from 67 to 69 student. UK, Spain and India look like have same number of student , it's about 58 student. Also, Japan and Singapore have about 62 student.

Age By Education

Age By Nanodegree Program

Age By Non-Nanodegree Program

Here are histograms for Nanodegree program vs. Non-Nanodegree Program.

The mean of students age by survey responded who had Nanodegree program was 29 year, and Non-Nanodegree Program was 32 year. We see the mean of age for Non-Nanodegree students is greater than mean of age for Nanodegree students.
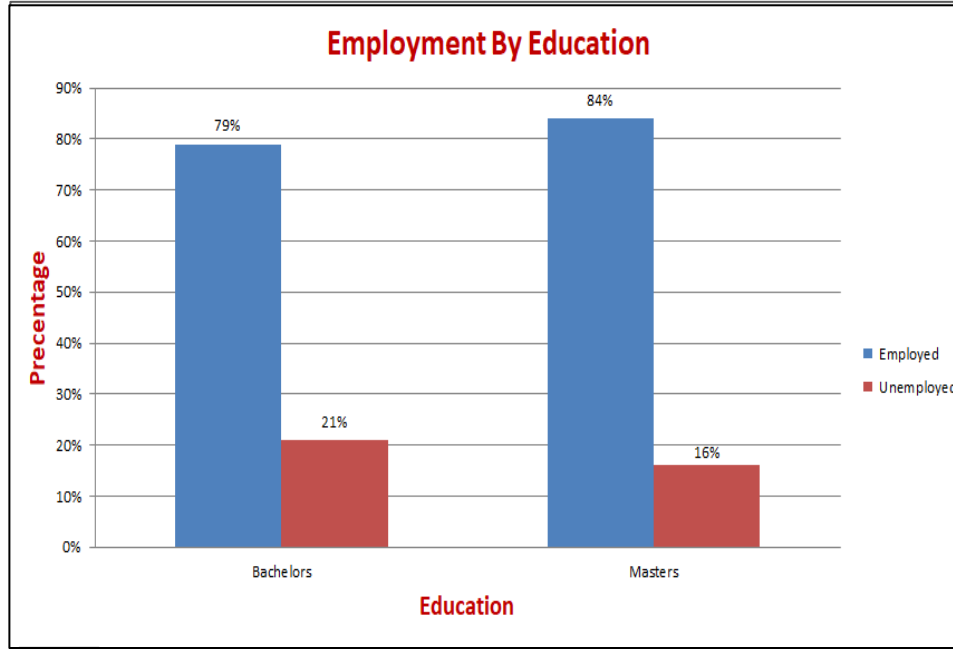
The median of students age by survey responded who had Nanodegree program was 28 year, and Non-Nanodegree Program was 31 year. Also, the median of age for Non-Nanodegree students is greater than median of age for Nanodegree students

After remove outliers values which were 0,1, and 116 years, most students age by survey responded who had Nanodegree were 22 years old. Most students age by survey responded who had Non-Nanodegree were 27 years old. So, these are the modes of them.

As we see of both, the mean is greater than the median, therefor, the distribution appears to be right-skewed.

The standard deviation for Nanodegree is 7 years and nearest to for Non-Nanodegree which is 8 years. So, both have almost same spread.

Employment By Education

Here is a bar chart which appears count of students who employed or not by education.

The percentage of unemployed students who have Masters is 16%. The percentage of unemployed students who have Bachelors is 21%.

The percentage of employed students who have Bachelors is 79%. The percentage of employed students who have Masters is 84%.

As we see, the percentage of difference between unemployed and employed Bachelors students and Masters students is around 5%. So, the most students of them who survey respondents are employed.