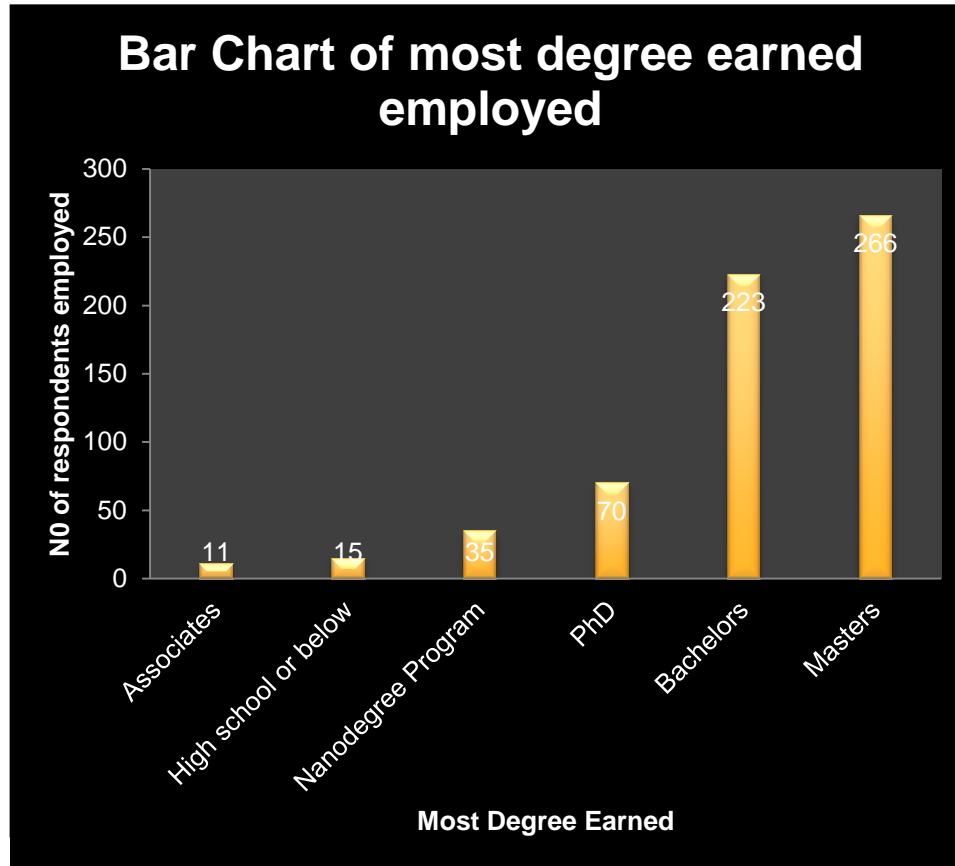


Data Foundation Nanodegree Project 2

Insights from The Employed Survey Data

Please note: The data analysed is from the employed respondents and not the entire survey carried out .
The employed respondents are 620 out of 753 survey carried out

What is the degree earned by most respondents that are employed?

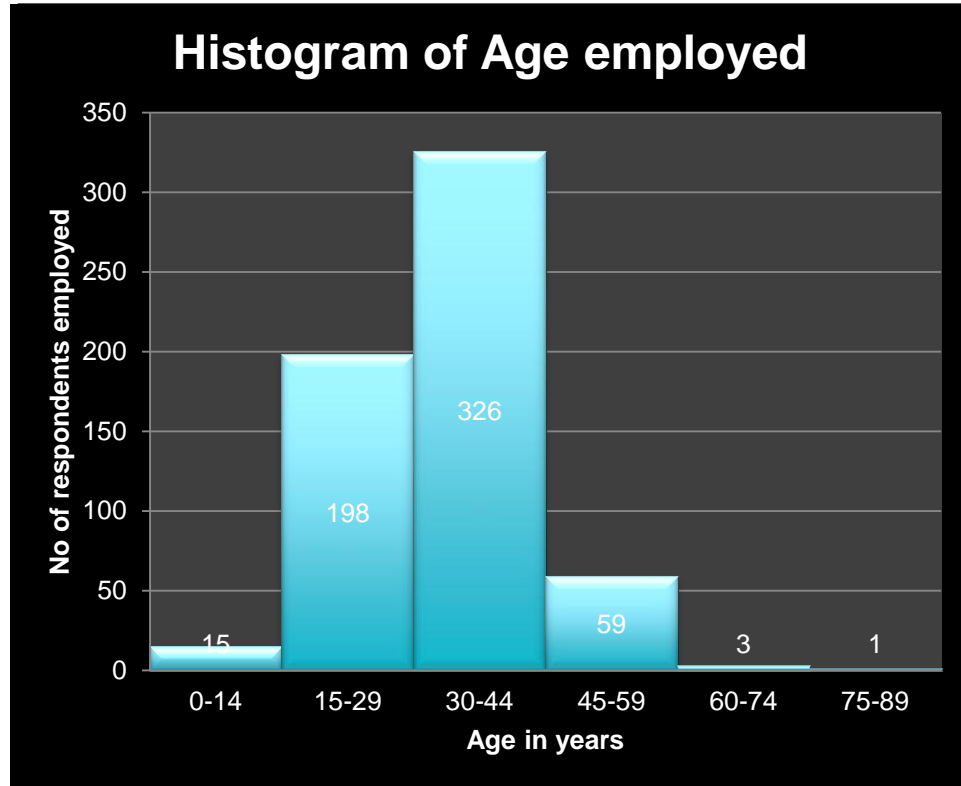


The bar chart here shown the number degree earned by the respondents empolyed.

The chart shown that Masters degree holders with 266 respondents, as the most employed respondents; followed by the Bachelors degree with 223 participants while 11 people employed repondents are with the Associates degree which is the least among the degree earned.

The proportion of employed respondent with masters to PhD degree is 43% to 11% repectively and with associates it is 43% to 2%

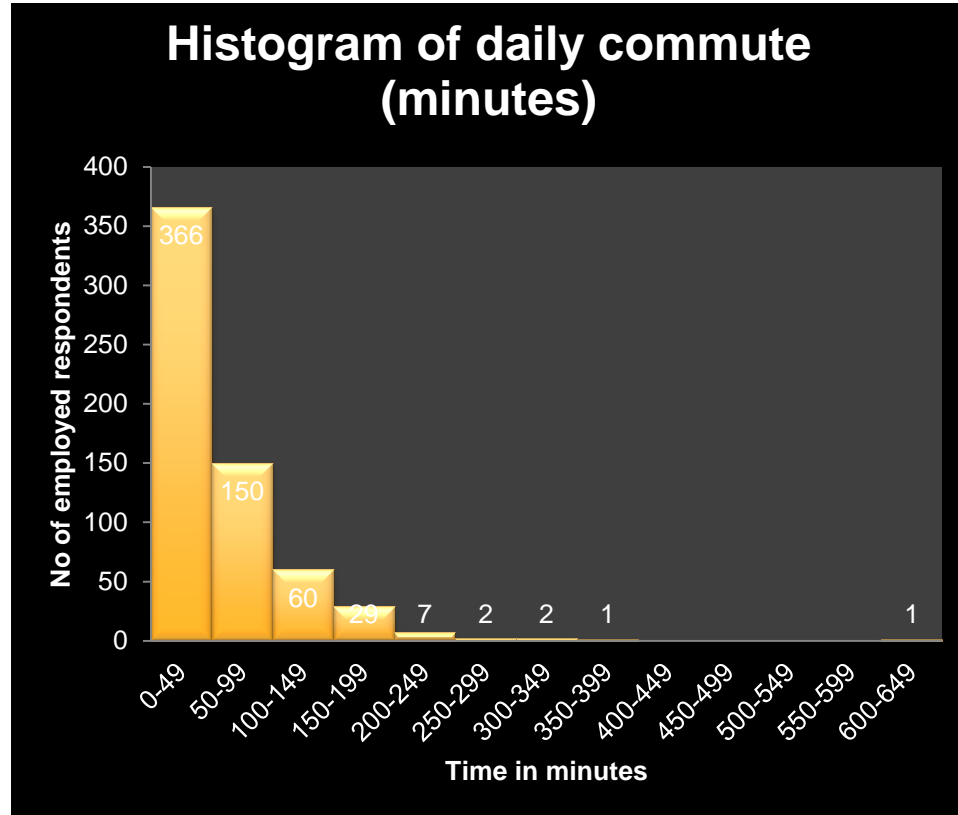
What is the highest age or age range of employed respondents?



Here, the histogram shown the age distribution among the employed respondents.

From the chart which is a normal distribution, it is obvious that mode of the age distribution lies within 30-44 years, because that is where the highest number of employed participants are. Through calculation, it can be deduced the median age is 32 years. The mean of the distribution is 33years 2months and its standard deviation is 9years 7months.

Averagely, how long does it takes employed respondents to commutes daily?

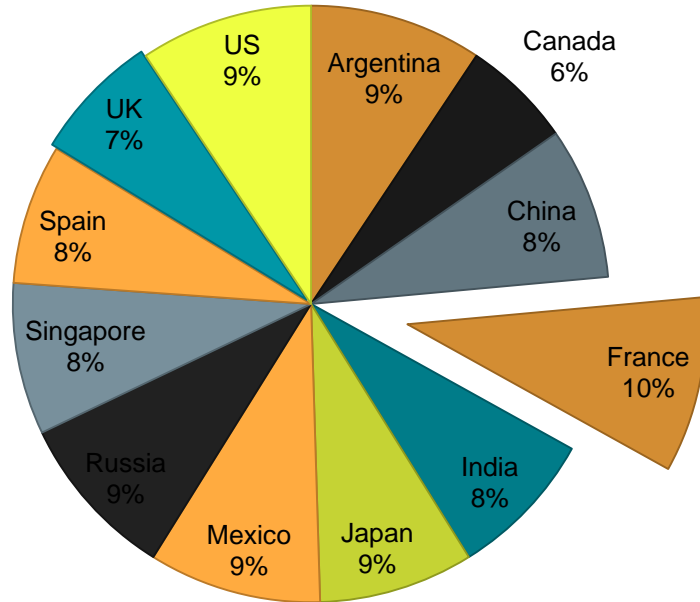


Histogram shown daily commutes by employed respondents.

Here, the distribution is positively skewed with outlier(s). It can be deduced that the majority (which is the mode, 366 participants), commute within 0-49 minutes daily. Only one person commutes in minutes greater than 600 daily. The mean time of the employed respondents commute daily is 53 minutes 20 seconds and the median is 40 minutes. The standard deviation is 57 minutes and the range of daily commutes in minutes is 649.

Which country has the highest employed respondents?

Pie chart of employed respondents in countries



The Pie chart shown for the proportion of employed respondent according to countries.

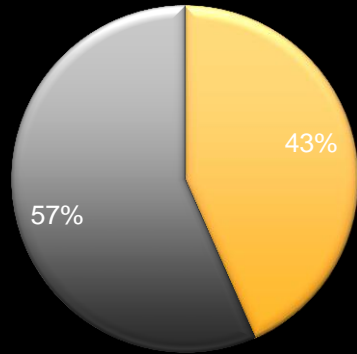
The total employed respondents are 620 and the level of response according to countries are: Argentina(58), Canada(37), China(51), France(59), India(50), Japan(52), Mexico(58), Russia(56), Singapore(51), Spain(47), UK(43), US(58).

It can be deduced from the chart that France employed respondents are the highest with 10% while Canada has the lowest respondents with 6%. Countries like Argentina, US, Russia, Mexico, Japan have the same percent percentages even though their values are different.

How many employed respondents have udacity swag? What is the ratio of those that have with those that didn't have?

Employed participants with Udacity Swag

■ No ■ Yes



Here the pie chart shown the employed participants with Udacity Swag.

Out of the 620 employed respondent, 351 repoded yes as having udacity swag while 269 responded no as not having udacity swag. The ratio of those that have with those that didn't have is 1.3.

The percentage of those that have udacity swag compared with those that didn't have as shown in the chart is 57% to 43%