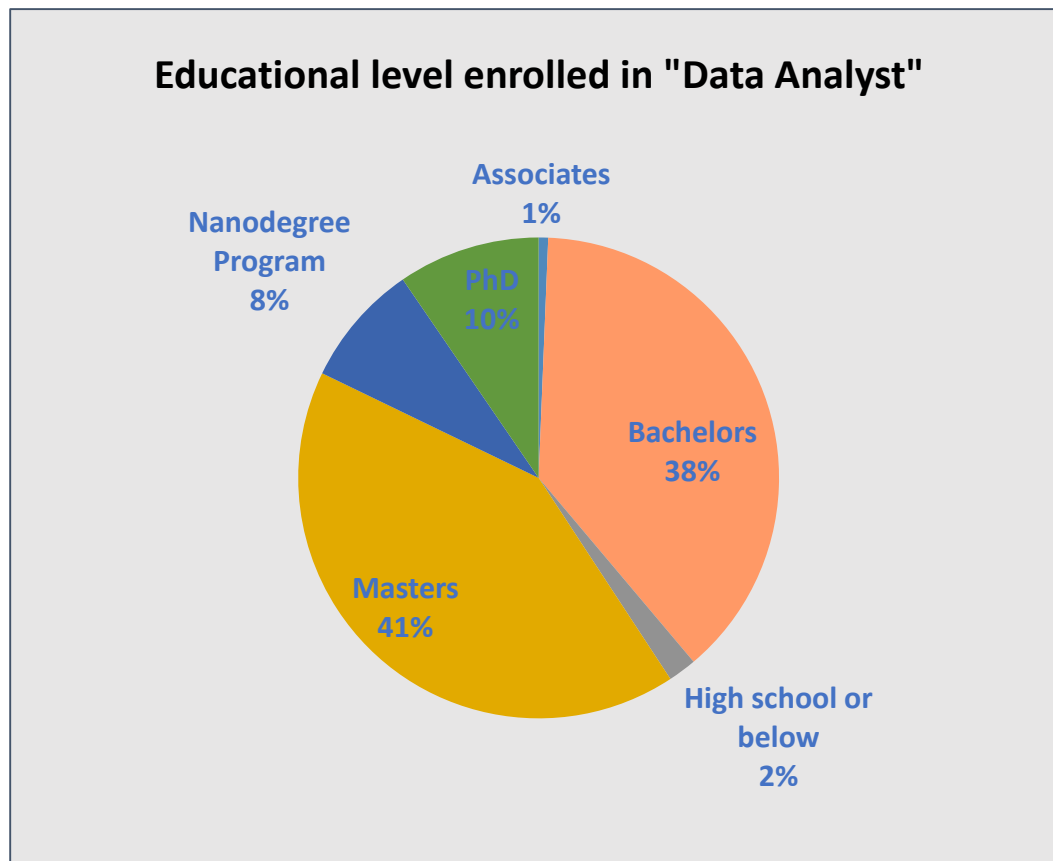


# Educational level enrolled in "Data Analyst"



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

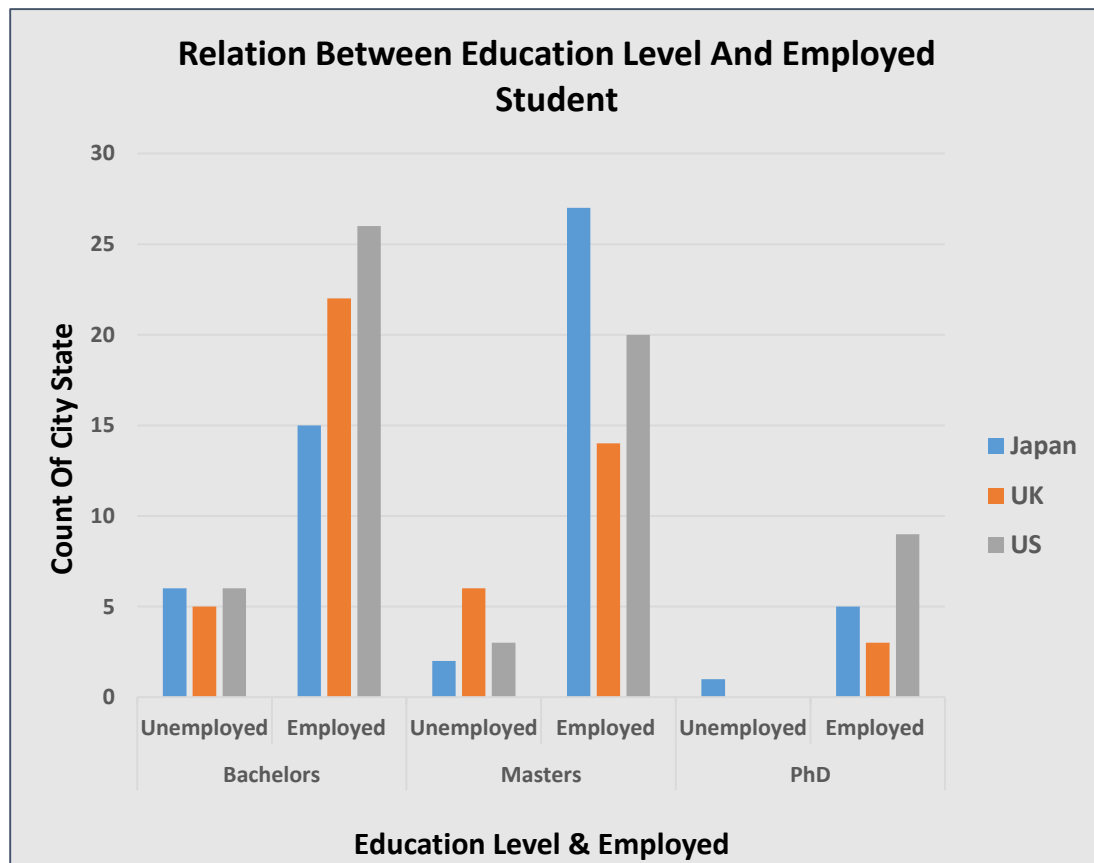
## Question: What education level group interested in Data Analyst ?

From the data insight we noticed that student who certified as (Bachelor, Master and PHD) representing ~ 89 % that indicate their awareness of increasing demand of Data Analyst in their area.

The mean (average) 26.1 As the Median is 14 and we have 6 educational degrees levels. We expecting the number of students who will apply for data analyst Nanodegree  $14 \times 6 = 84$  we also notice that the range between Max count of an educational group and the lowest count of an educational level is about 64 student and the Stander deviation 28.7

which indicate a high variance from the mean. as we can observe that (Bachelor, Master) representing 79% and others 3 categories representing 21%.

# Employed Student Depending On Education Level



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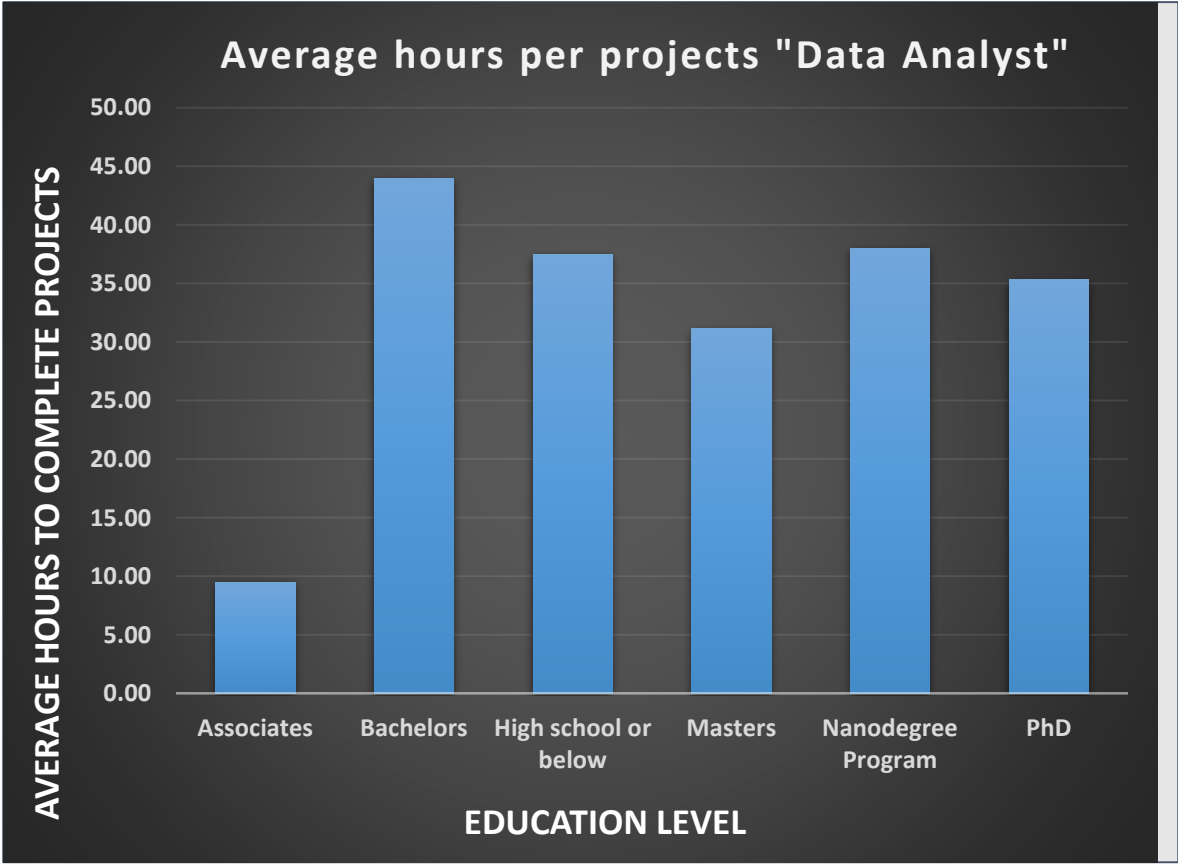
**Question: Who is more likely to Employ Depending On Education Level – Sample Student (Japan\_UK\_US)?**

According to our data insight we can notice that Education Levels have strong impact on employment, as we observe that Master and Bachelors holder are 40% and 33% And PhD holder is 10% from total employed Academy Certification, SO we find the master degree is the common high education level in this group.

And when we take the employed for Academy Certification (Bachelors, Masters, PhD) for each City State (Japan, UK, US) We find the Median for each City are: 15, 14, 20. and Standard Deviation: 8.99, 7.79, 7.04 So we can expect Average 16, 13, 18 employed Academy Certification student from these City to apply Nanodegree programs.

We also notice that higher Average 18 employed Academy Certification in US which indicate that Certified students had great opportunity there more than (Japan, UK).

# Average Hours For Data Analyst to complete Each Project \_ Depending On Education Level



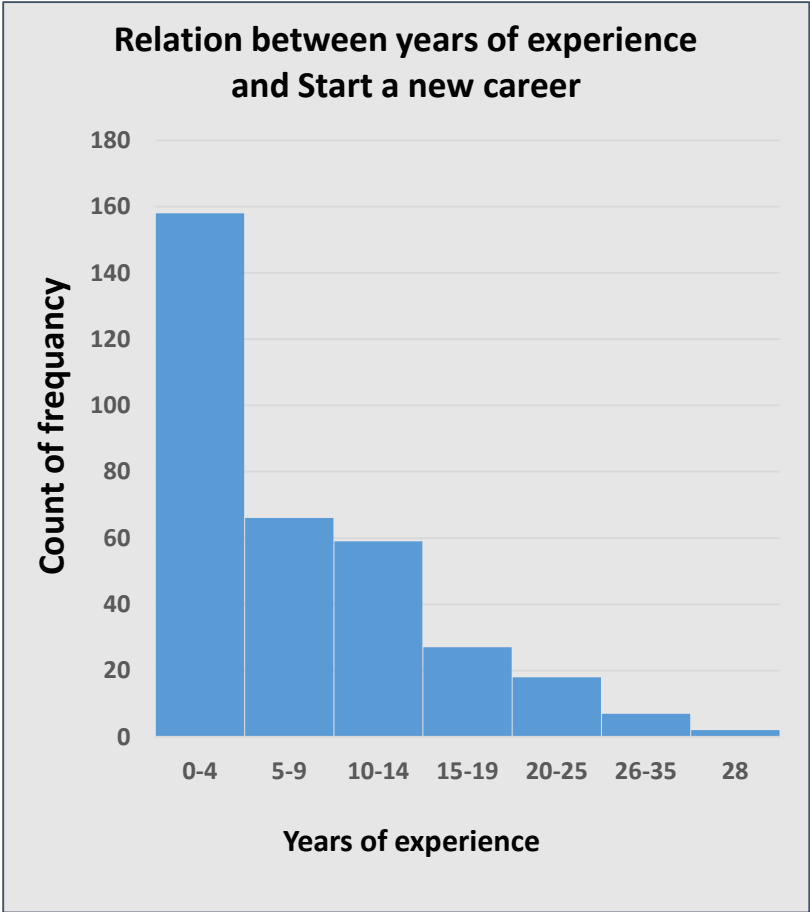
This data is from Survey Respondents and is not from the entire Udacity Student population.

Question : how many Average hours did it take from Data Analyst to complete a project in recent Nanodegree program **comparing to** Education Level ?

From comparing Education level with Average Projects hours needed to complete projects by Data Analyst, We notice that average hours is 32.56 Also observe that minimum spent hours average for an educational level "Associates " 9.5 and the maximum spent hours average for an educational level "Bachelors" 43.93 with range 32.56 and the stander division 12.04 .

The data insight result get us good indicator that we may check & remove more outliers for spent hours per projects coz data insight so near result in category (PhD , Masters , High school or below)

# Student Goal From Enroll In Udacity's Nanodegree Programs \_Start New Career



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

## Question: why did Student enroll in Udacity's Nanodegree programs ?

Students who enroll in Nanodegree program have multiple goals such as Personal growth and enrichment, prepare for an advanced degree , Help move from academia to industry , Start a new career in the goal field , Grow skills for my current role, Others.

I make my sample for Student Goal Study (Start a new career in the goal field ) coz it is interested object for me and it also got high Average score 0.45 comparing with others goals .

So we notice from chart here that Nanodegree students have negative relationship between (Start a new career in the goal field ) and (Years of experience) which appears though correlation “Right Skewed” . This may happen coz they don’t have time or they already have that knowledge

The years of experience range 28 and the count frequency range is 156 with mean (average Count how many years of experience ) 48.14 , the stander division 54.29 , And the median is 27 which indicate that 158 is outlier .

The mod is 1 "year"it was the most frequented number. so we can say that the highest frequency of the students who are interested in Udacity's Nanodegree programs having one year of experience.