

# Analyze Survey Udacity



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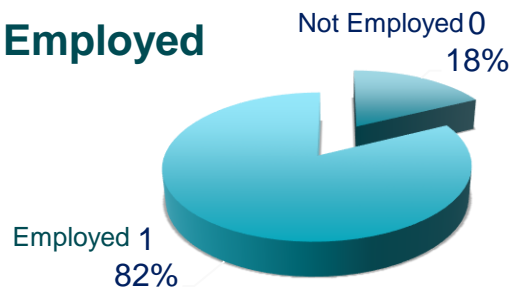
*The data from the survey was made with a sample the students Udacity with 753 interviewed students and not from the entire Udacity Student population.*

*The next analyze is about 133 not employed students in this sample.*

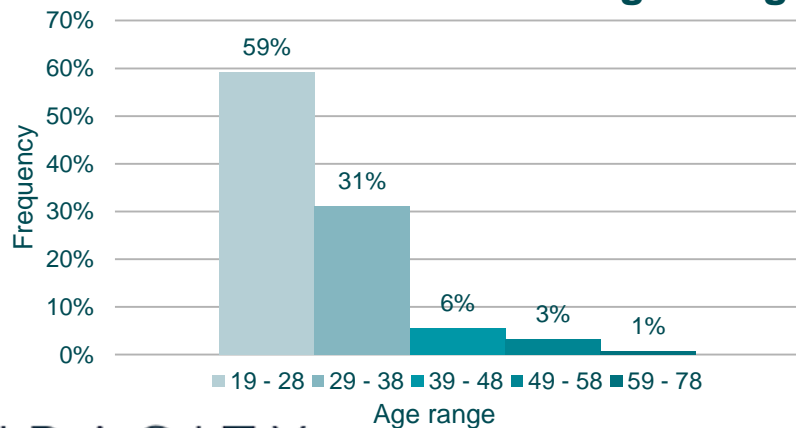
# Analyze Survey Udacity

» Is Udacity a good investment for not employed?

## Employed



## Age Range



## » Who are the students not employed?

Analyzing the data search of Udacity students, we can see that when asked about their current occupation:

**18% said they are currently not employed (0).**  
Of these,

**59% are in the age range between 19 to 28 years old,**

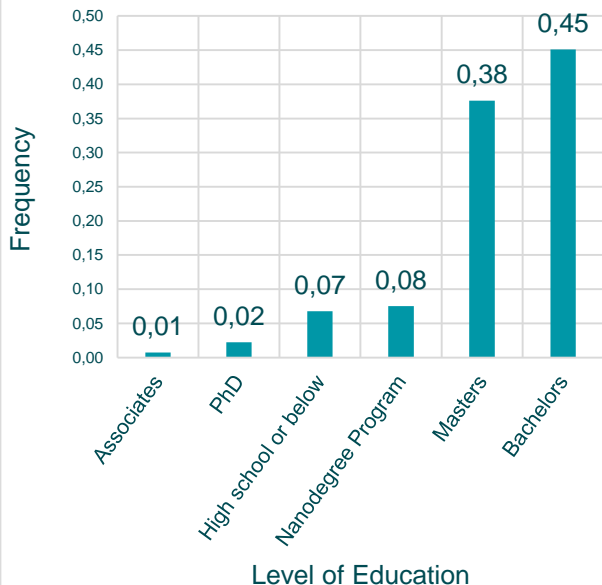
**followed by 31% in the range of 29 to 38.**

» ***We found a young profile and chose Udacity to qualify for a job.***

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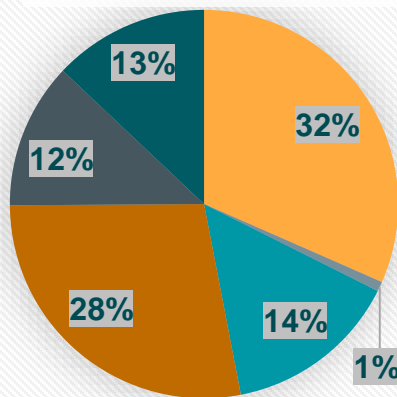
» Is Udacity a good investment for not employed?

## Highest level of education



## Why?

- Start a new career in this field
- Other
- Grow skills for my current role
- General interest in the topic (personal growth and enrichment)
- Help prepare for an advanced degree
- Help move from academia to industry



## » Level of Study and Reason

Analyzing students who are currently not employed, we find that they have

**45% Bachelors** study followed by

**38% master's degree** and

their main reasons for qualifying at Udacity is that

**32% want to start a new career** and

**28% general interest (growth and enrichment)**

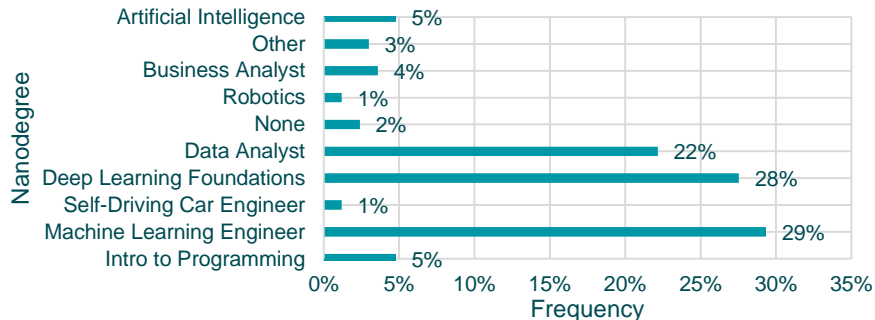
» ***Udacity is the choice at a time to migrate and restart the work life of these people without work but already with previous qualifications.***



# Analyze Survey Udacity

» Is Udacity a good investment for not employed?

## Nanodegree



## » Experience Udacity

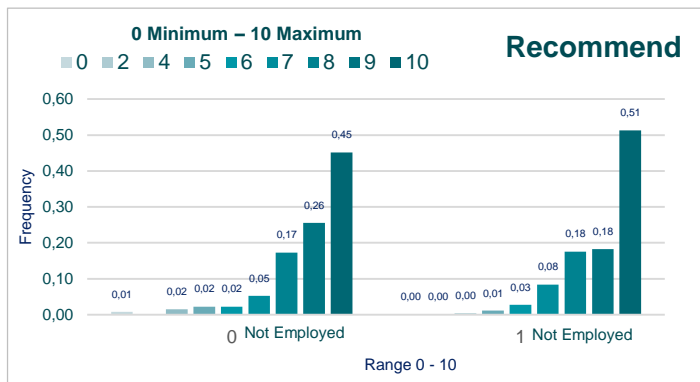
What nanodegree are chosen by students who do not work? In the analysis of these data we see that

**29% are looking for Machine Learning Engineer,**

**28% for Deep Learning Foundations** followed by

**22% Data Analyst.**

Grades (0 min - 10 max)	Recommend - Not Employed	Recommend - Employed
0	0,01	0,00
2	0,00	0,00
4	0,02	0,00
5	0,02	0,01
6	0,02	0,03
7	0,05	0,08
8	0,17	0,18
9	0,26	0,18
10	0,45	0,51



The same students when asked to recommend Udacity,

**88% recommend that students with a grade of 10 to 8 recommend Udacity.**

» ***The not employed students have the best experience with Udacity so***

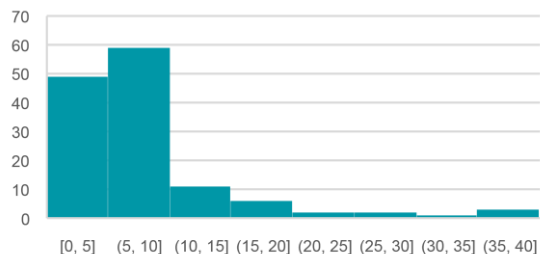


# Analyze Survey Udacity

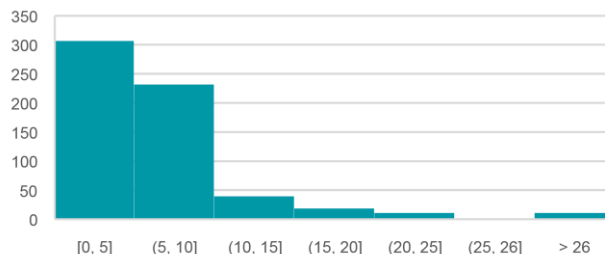
» Is Udacity a good investment for not employed?

How many hours per week did you spend consuming learning materials?

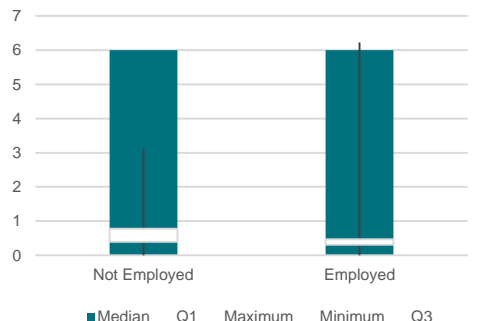
Not Employed



Employed



Not Employed and Employed



	Not Employed	Employed
Average	8,330827068	6,780645161
Median	6	6
Mode	6	6
Standard Deviation	7,678898481	6,3508319
Minimum	0	0
Maximum	40	80
Q1	5	4
Q2	6	6
Q3	10	6
Range	40	80

The mean greater than the median, therefore the shape of the distribution is right skewed. The mode and de median are 6 hours for both and the average about not employed is 8,3308 hours and is higher than those employed. The analysis shows that not employed students use the time available for invested these in studies. The median and modo is the same in both so the not employed and employed consuming learning materials is 6 hours in general.

» *The not employed students that consuming learning material have the average more than employed.*

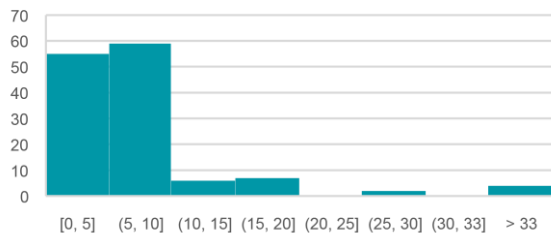


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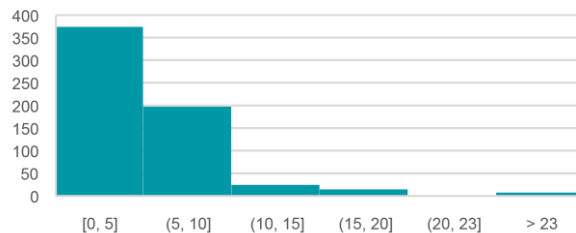
» Is Udacity a good investment for not employed?

How many hours per week did you spend applying what you learned (e.g. quizzes, projects)?

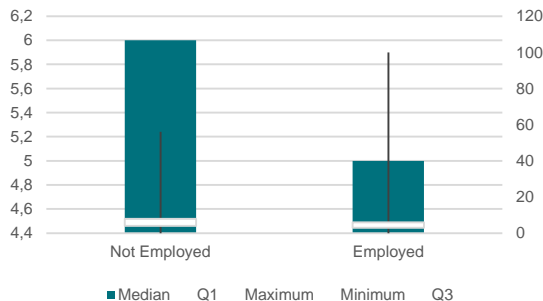
Not Employed



Employed



Not Employed and Employed



	Not Employed	Employed
Average	7,969924812	5,60483871
Median	6	5
Mode	6	6
Standard Deviation	8,20471026	5,910231194
Minimum	0	0
Maximum	56	100
Q1	4	3
Q2	6	5
Q3	8	6
Range	56	100

The average not employed students are 7,969924812 hours per week that applies what learned, this is greater than the employed.

The shape of the distribution is symmetric because the average is almost the same as the median and mode in both and how the standard deviation is almost similar to the range, less spread not sensitive to the outlier, has dispersion uniform then reflect the tendency.

The mode is 6 and the median 6 too. It is a common value in both and similar to the mean. The data not employed show in general that they have more time and spend learning, applying and practicing to seek to better the career because the result is a great differential and prepare the future with quality.

» **The not employed students applied what they learn and practice**

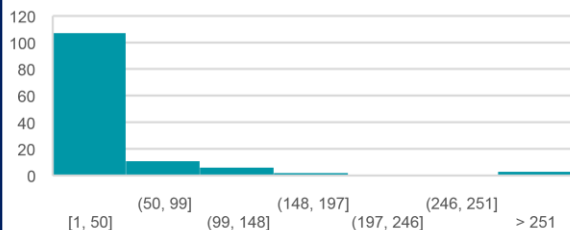


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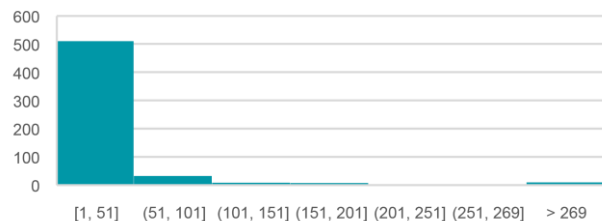
» Is Udacity a good investment for not employed?

How many hours did it take you to complete a project in your most recent Nanodegree program?

Not Employed



Employed



The average to not employed students is 37,09302326 thus more than the employed.

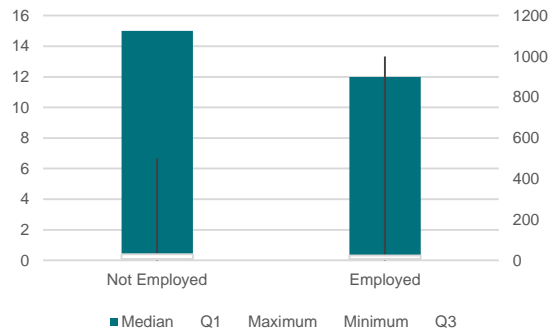
But in this case, the mean is higher the median, 15, so the values are far from the center.

Therefore, the range is bigger and the standard deviation is more spread from the mean with outliers and this is not reflected accurately in the tendency, so this analysis is better in the median.

The shape of the distribution is right-skewed because the mean is more the median in both. And the mode too, 10 in both.

Analyzing the median, the not employed is a 15 and employed is 12. Therefore, show the not employed take to complete a project in much more hours between not employed thus is show have more time it takes to complete the project in the latest Nanodegree and showing hence dedication for this project.

Not Employed and Employed



	Not Employed	Employed
Average	37,09302326	32,88888889
Median	15	12
Mode	10	10
Standard Deviation	71,40459564	78,86760385
Minimum	1	1
Maximum	500	1000
Q1	7	7
Q2	15	12
Q3	30	24
Range	999	499

» The analysis is showing more time dedicated in most recent nanodegree.





# Analyze Survey Udacity

» Is Udacity a good investment for not employed?

- » *We found a young profile and chose Udacity to qualify for a job.*
- » *Udacity is the choice at a time to migrate and restart the work life of these people without work but already with previous qualifications.*
- » *The nanodegree students have the expectations achieved and recommend.*
- » *The nanodegree prepare in practice and that is the great differential for which it seeks the new career and gets prepared.*

✓ The conclusion based on the research data is that to make a nanodegree at Udacity is highly recommended students not employed and that the study experience shows based on other students who recommend the experience, content, and practice.

