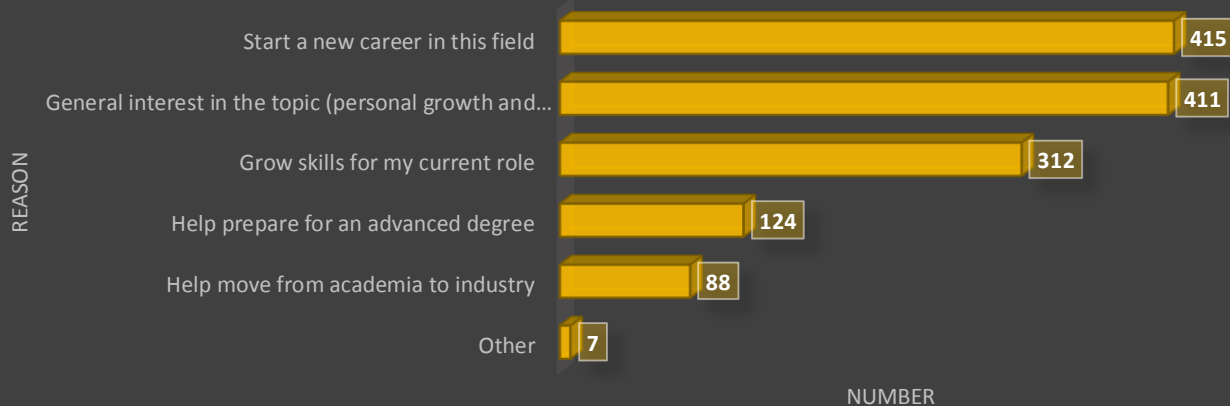


Survey Data Analysis

2017-12-17

The Reason Why People Chose Udacity

WHY DID YOU ENROLL IN UDACITY'S NANODEGREE PROGRAM



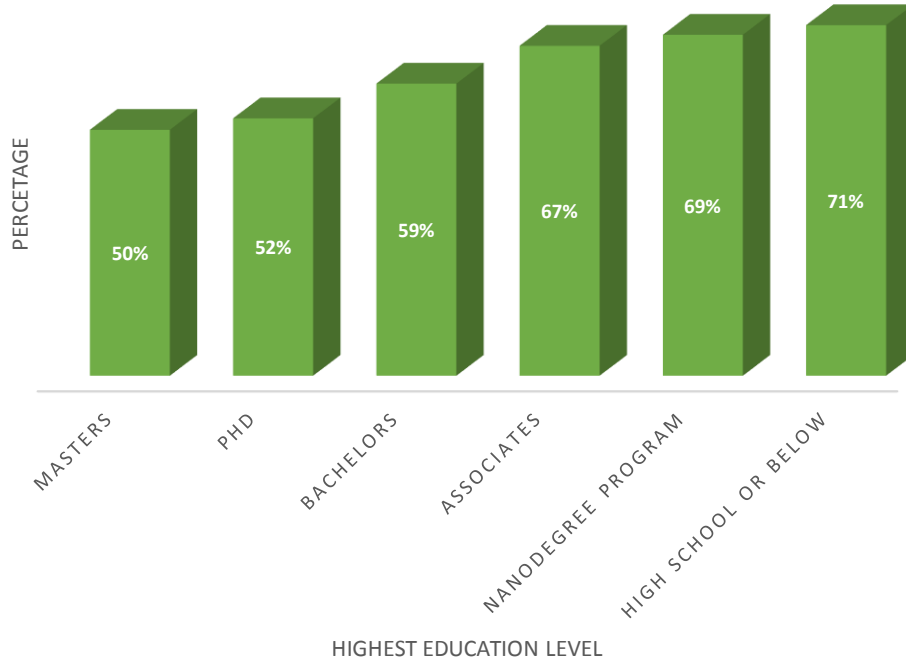
After the cleansing and filtering of our survey data, we counted the reasons for people choosing Udacity and draw the bar chart on the left.

The big two reasons are:

- Start a new career in this field
- General interest in the topic (personal growth and enrichment)

Willingness to Buy Swags by Different People From Different Academic Background

WILLINGNESS TO BUY UDACITY SWAG

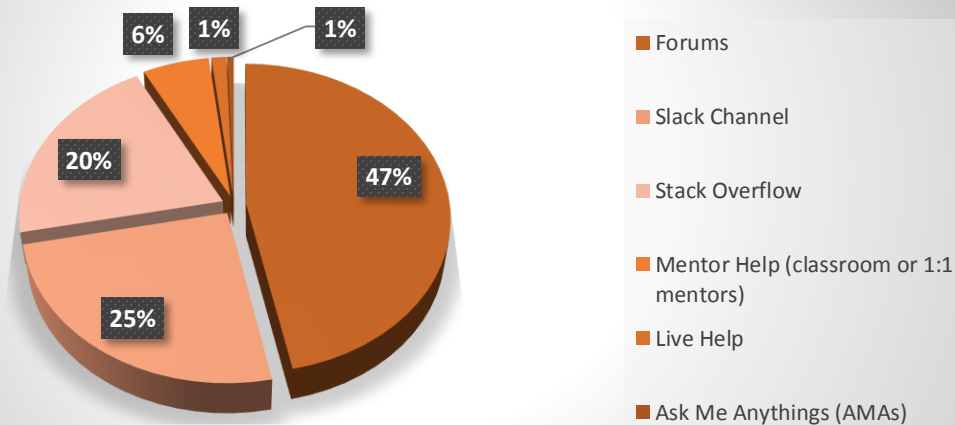


According to our filtering survey samples, we find that the willingness to buy swag ranges in people from different academic background:

- People whose highest education degree are high school or below have the highest willingness to buy Udacity swag.
- People with masters degree have the lowest willingness to buy Udacity Swag.

Most Helpful Thing When Get Stuck in the Nanodegree Program(s)

Most Helpful Thing When Get Stuck in the Nanodegree Program(s)

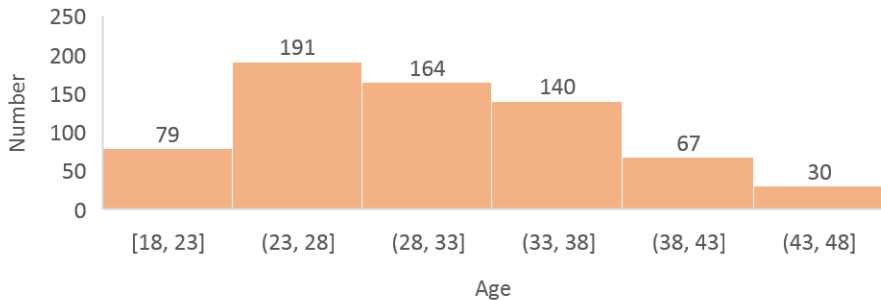


The pie chart on the left is drawn based on the scrubbed data from the survey and we come to the conclusion that:

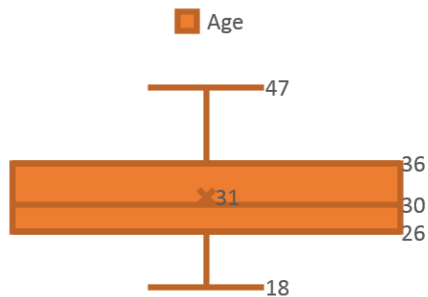
- 47% of people think forums are most helpful.
- 25% of people think slack channel gives most help to them.

Age Distribution Of Udacity Students

The Age Distribution of Udacity Students



Age Distribution



After survey data filtering and scrubbing, we conclude that :

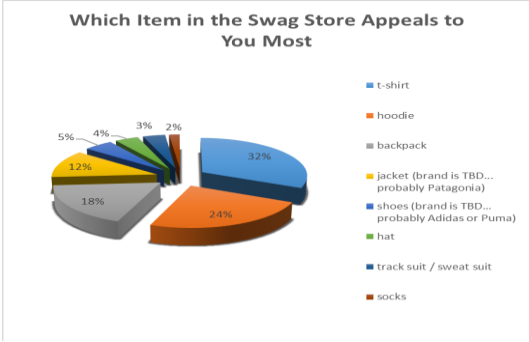
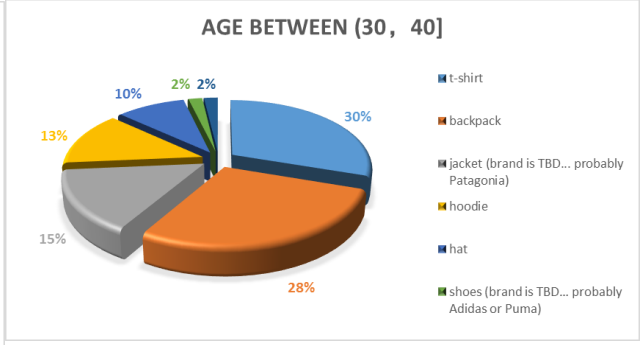
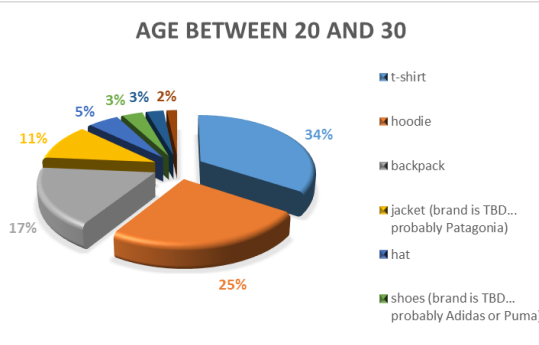
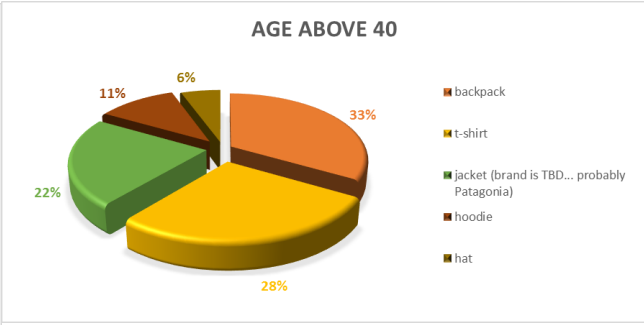
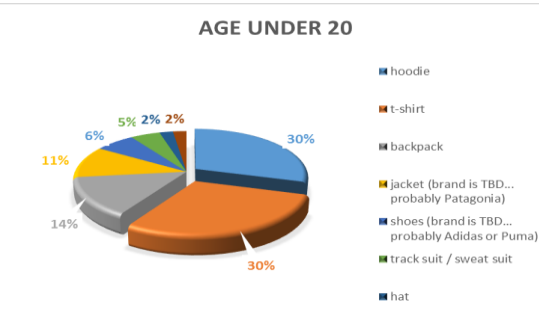
- for the students 'age, the mean is 31, the median is 30 and the mode is 27;
- the age distribution has a range of 19 and the standard deviation is 6.5.

Students' Age Statistical Feature

Mean	31
Median	30
Mode	27
Standard deviation	6.5
Range	19

Different Age Group People's Preference to Swag

From our effective sample, we find that people in different age groups have different preference to swag. Several pie charts and a comparison table are drawn to show the differences.



Age	Under 20	[20,30]	[30,40]	Above 40	Total
1st favorite swag	Hoodie	T-shirt	T-shirt	Backpac k	T-shirt
2nd favorite swag	T-shirt	Hoodie	Backpac k	T-shirt	Hoodie
3rd favorite swag	Backpac k	Backpac k	Jacket	Jacket	Backpac k