Report for project 2

Udacity DFND

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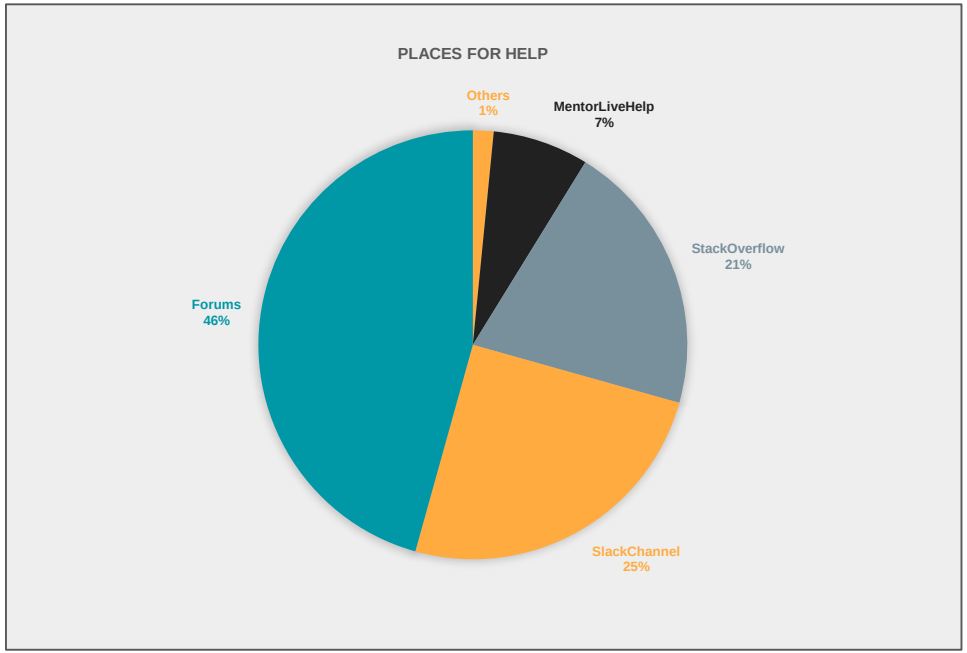
Revised v3.0

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

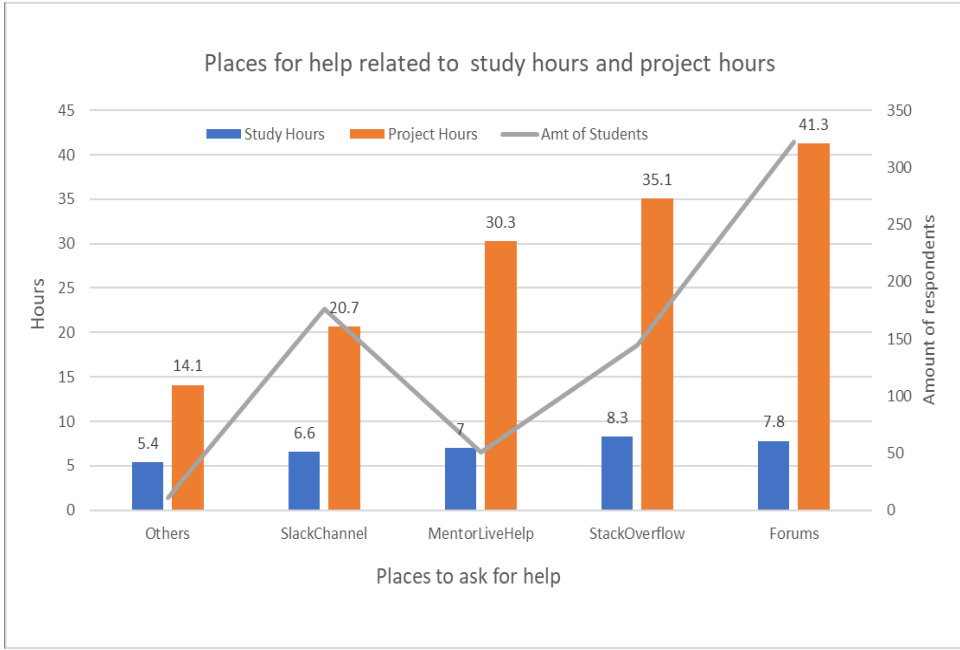
Places to ask for help reported by survey respondents



Question: when you are stuck at your study and project, what place or method student will use?

From pie chart, we can see almost half of students(46%) choose Udacity forums as their helper. The other half of students(46%) choose Slack and Stack Overflow to solve their problems. 7% students will ask for their mentors or other live help. Still there is 1% students ask for no help, completely by their own.

Where to efficently ask for help



From the chart we can see, self-study(1%) is the most efficient way to study and to finish the project. Whatever the study time and the project time all is below the average of study time and project time. Maybe those students have already had rich experiments on their own Nanodegree related field.

Except for this, waiting for an answer on forums is the most waste of time way to ask for help. Ask questions on the slack channel is the most direct and efficient way to solve the problems.

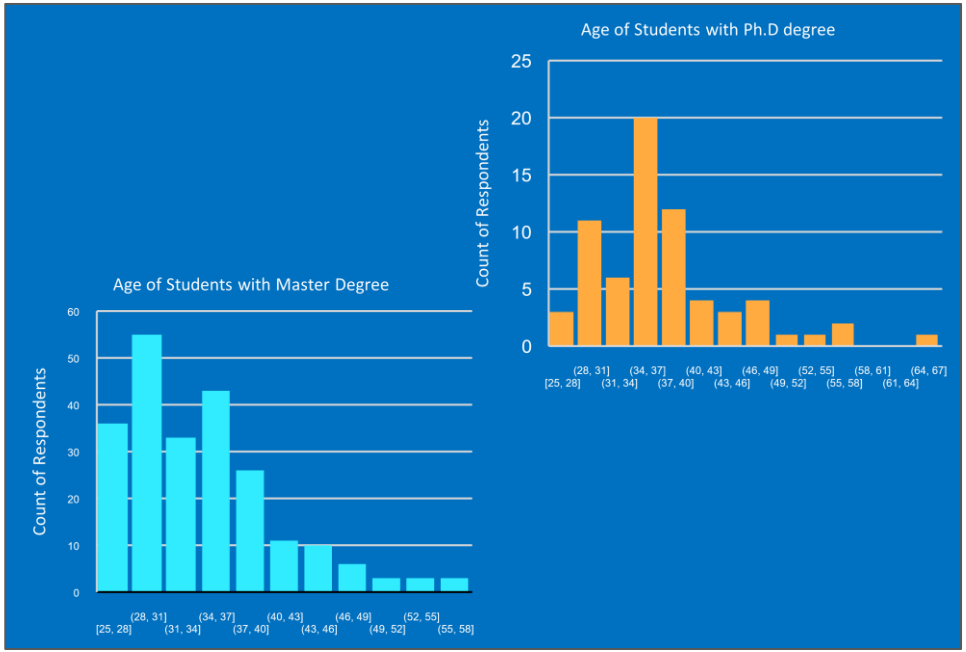
Study as well as working

From the statistic view, there is nearly no big difference between employed students and unemployed students on sleep hours. Both of the average sleep hours are around 7 hours, the standard deviation is about 1.07 hour for unemployed students and 1.00 hour for employed students respectively.

However, after excluding the outliers, the range of hours of sleep for employed students (between 4 hours to 10 hours per day) is wider than unemployed students (between 5 hours to 8 hours per day).

So, study won't occupy students sleep time, employed students have a more regular life than unemployed students.

Life-long learner



The slide shows that the age of years of students with higher education, which includes masters and Ph.Ds.

Both charts are right-screwed, describing that the mean is greater than the median. It's better to use median over mean as the measure of central tendency. The median age of two group is 37 years old and 34 years old individually. The normal age of the Ph.D. student is 37(+/-7.6) years, and the normal age of the master student is 34(+/-6.6) years.

In this example, the mode is the same as the median. The most Ph.D. respondents are 37 years old. And 34 years old for most of the master students.

So people with higher education would love to learn for life long. The higher the education is, the more willing to lifelong learning.