

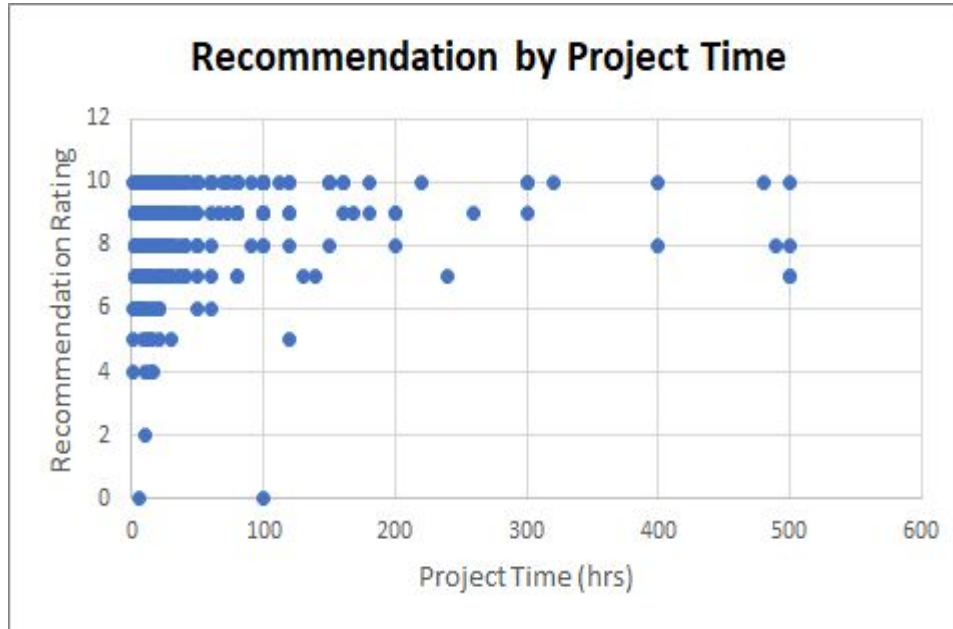
Analyze Udacity Survey Data

Business Analytics Nanodegree

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Does Recommendation vary by Project Time?



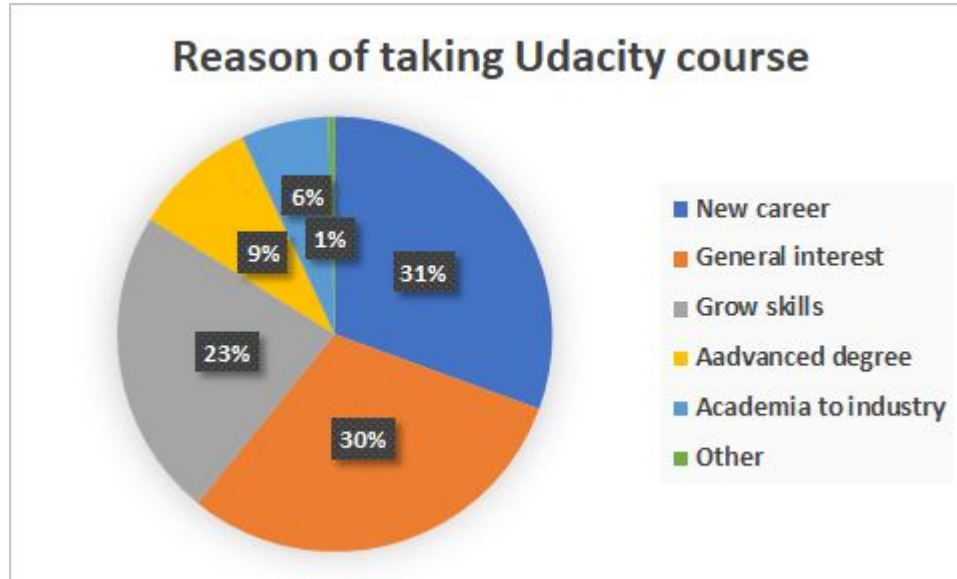
This is scatterplot for hours spent in completing a project with Udacity recommendation rating.

First of all, I removed outliers over 500 hrs in project hours to have better analysis.

The scatterplot does not show positive or negative relationship between two elements. Thus, the hours spent in project completion does not vary by Udacity recommendation rating.

Majority of recommendation score sits between 7 to 10 regardless of hours spent in a project. It appears that the survey respondents give relatively high rating regardless of project time.

Why taking Udacity course?



This is a pie chart for reason of taking Udacity courses.

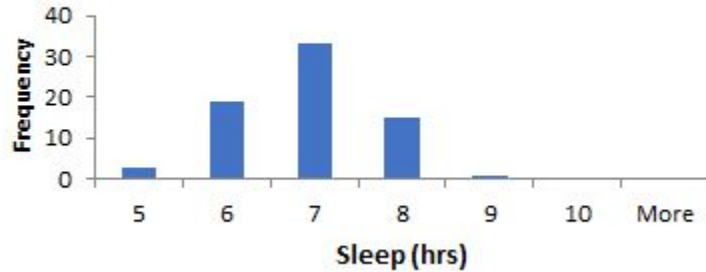
Most popular reason is to pursue a new career in the course related field which accounts for 31% of survey responses.

The second popular reason is for general interest and accumulating these top two reason accounts for 61% of survey responses.

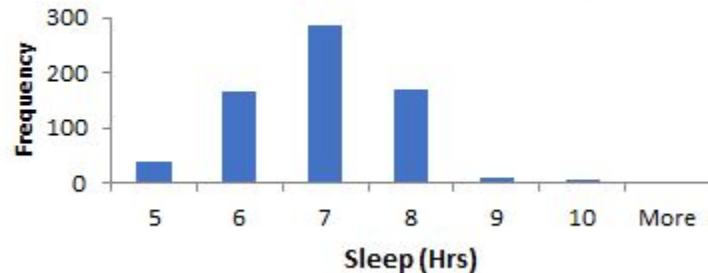
The survey contains limited number of Udacity students and also the response allows multiple choices for this particular question.

Sleep Time By Education

Sleep Time for PhDs



Sleep Time for Non-PhD

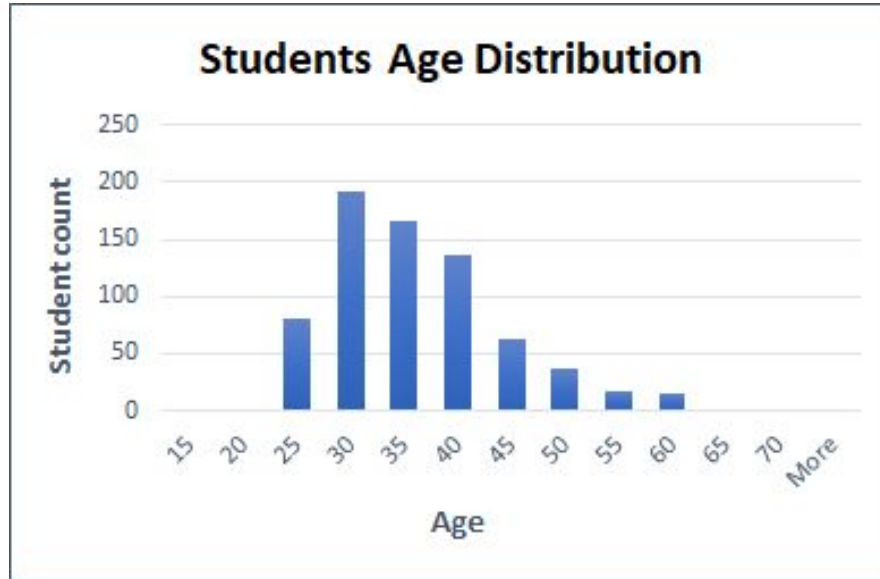


These are Histograms for PhDs vs. Non-PhDs students regarding sleep time.

Median and Mode for both group has same value as 7 hours. Mean for PhD group (6.87) shows slightly less than Non-phD group(6.92). According to these data, there is no obvious difference in sleep time between PhD holders and non-PhD holders.

Standard deviation for PhD and Non-PhD holders show 0.12 hrs which is 7.2 minutes difference. The variation for sleep time is slightly larger for Non-PhD group which appears to get resulted by several data points with 10 hrs sleep time.

Udacity Student Age



This is Histogram for Age of Udacity students.

This data excludes outliers to show more clear analysis.

This histogram shows right skewed distribution, so mean is larger than median. Mean for this age data is 34 and median is 32.

The standard deviation is 8.36 and it implies that 68% of survey respondents have age between 25.64 and 42.36.