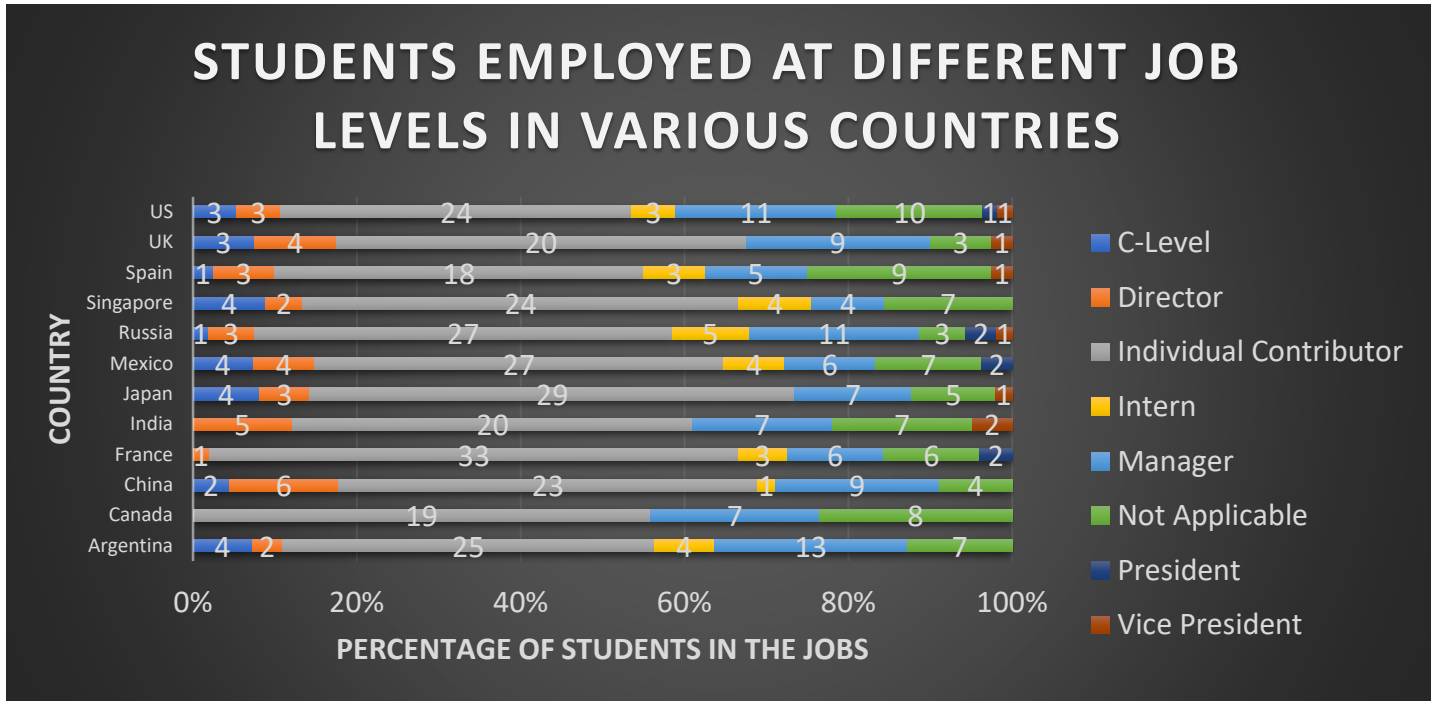
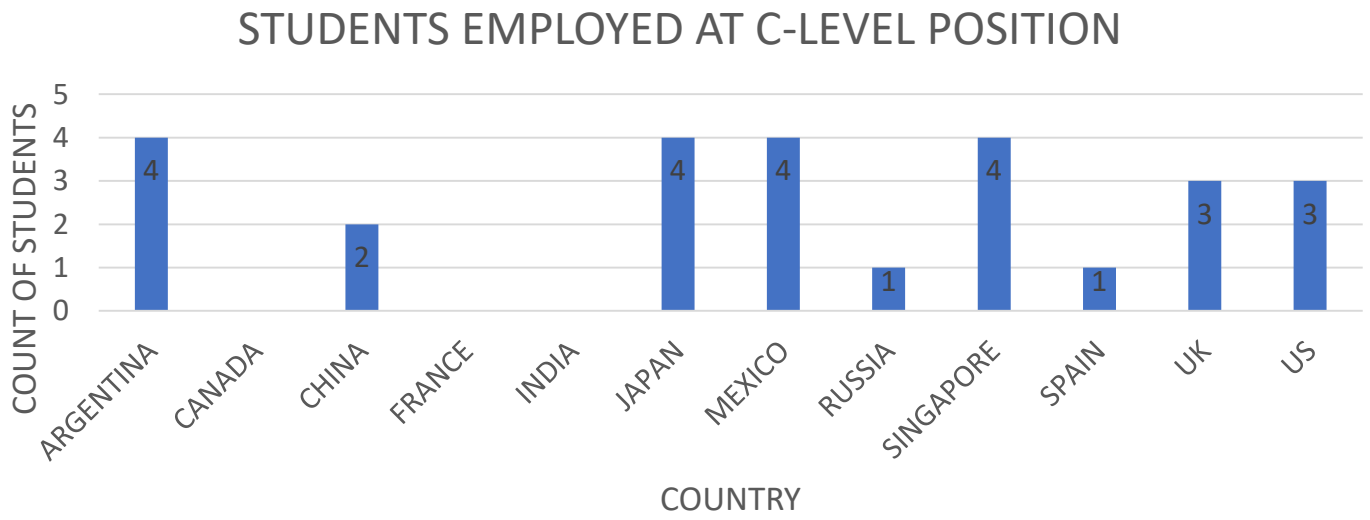
ANALYSING THE UDACITY GRADUATES(who took the survey) EMPLOYED IN VARIOUS JOBS ACCORDING TO THEIR COUNTRY





From analysing the 100% stacked bar chart it can be concluded that maximum percentage of the graduates from almost every country act as Individual Contributors .

The maximum percentage of employed graduates are from United States followed by Argentina.

The least number of students work as Vice President.

The Bar chart displayed here shows the Udacity graduates from different countries employed at the C-Level position.

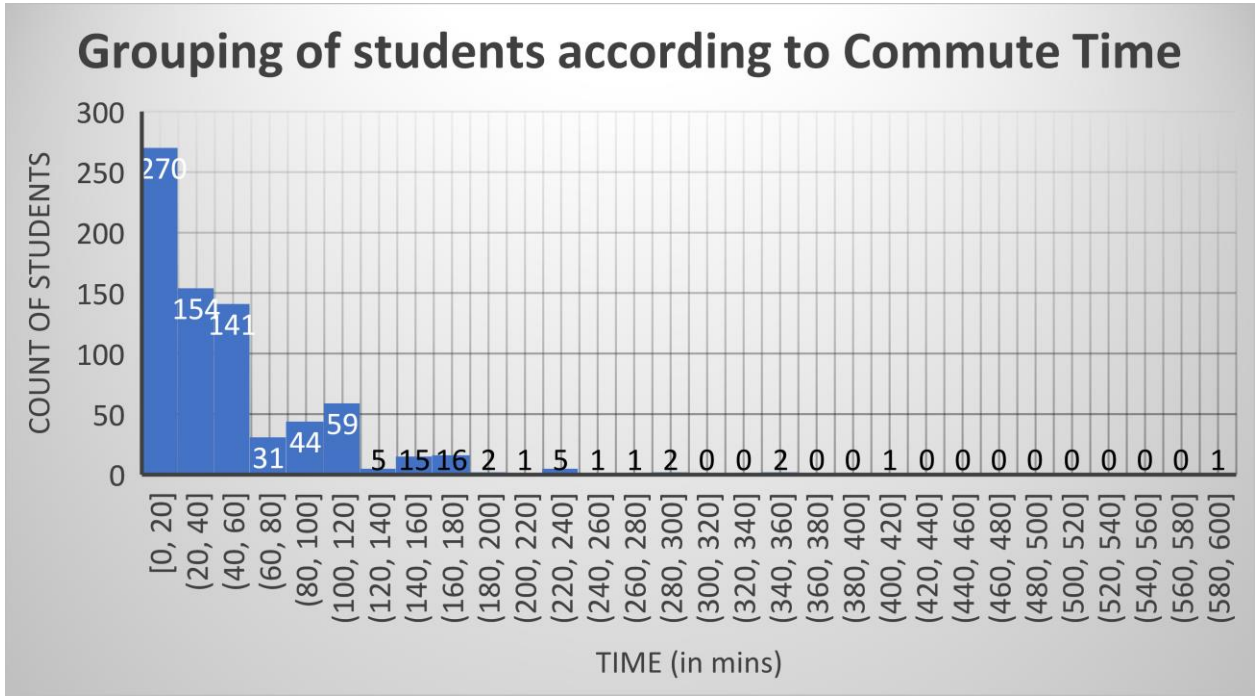
From the chart it can be observed the least number of students working at C-level are from Spain and Russia with just one student from each of these countries.

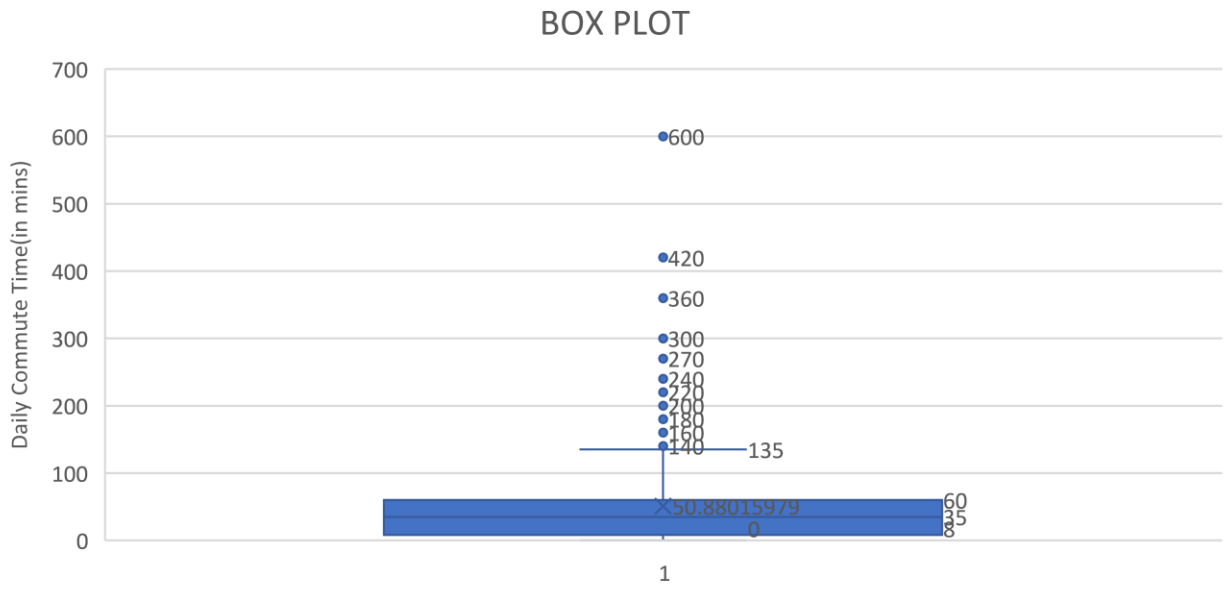
Highest number of students working at C-Level position are from Argentina, Japan, Mexico and Singapore with 4 students from each of these countries.

No student works at C-level position from Canada , France and India.

For a different job , stats can be analysed by changing the Filter conditions.

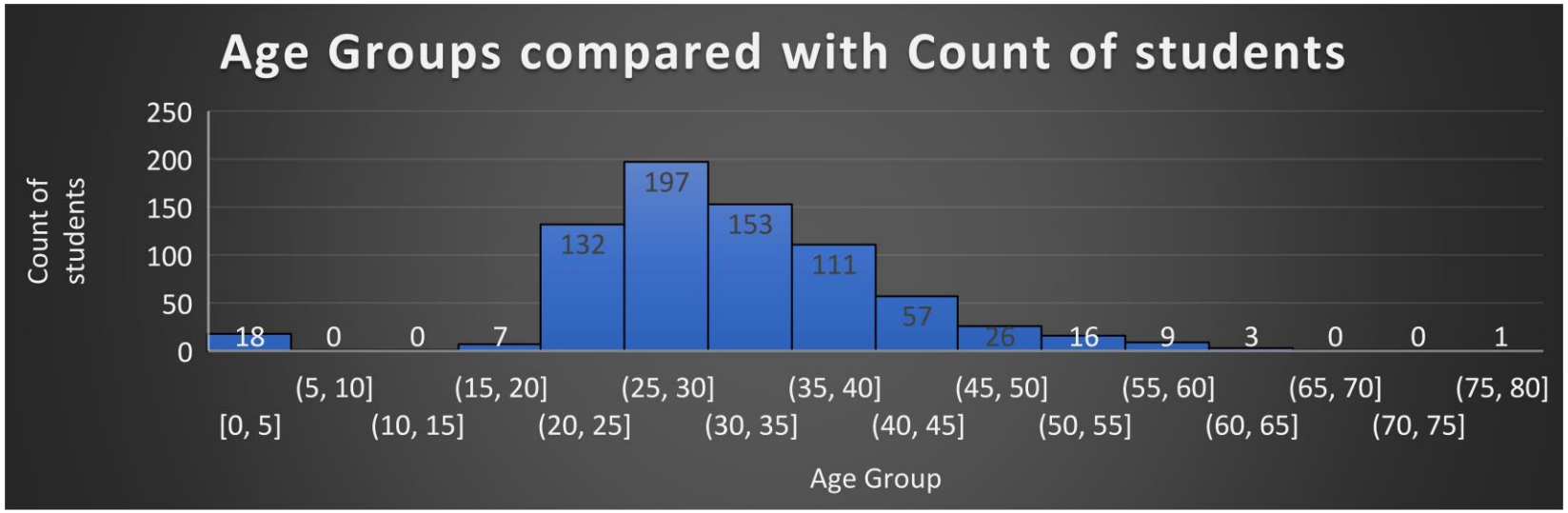
Daily Commute Time

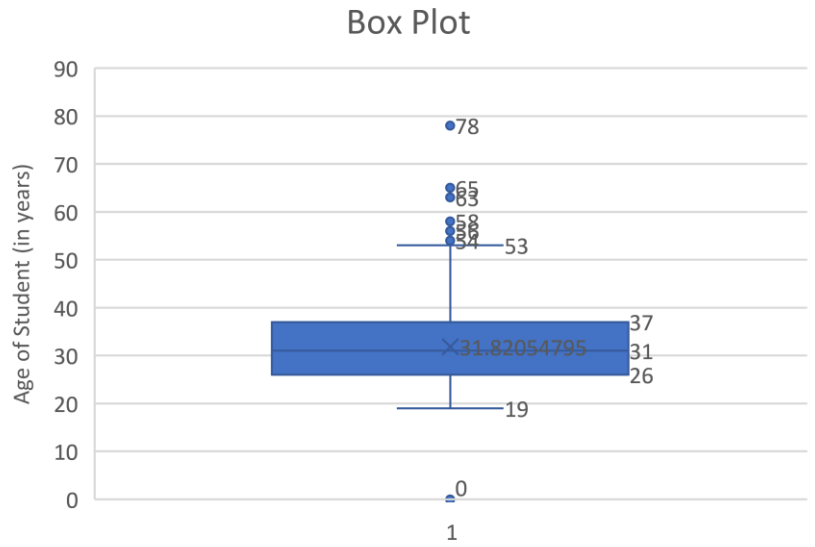




The Histogram displays the count of students according to their daily commute time (in mins).
The max value of commute time is 600 minutes(**Outlier**).
For the given data the average/mean commute time comes out as 50.88 mins.
The standard deviation for the data given is 58.34 which shows that the data points are spread out over a wider range. This mainly occurred because of the value of outlier(600 mins) which is very far from the mean value of 50.88 mins.
The range lies between a Min value of 0 mins (could be because these students don't have to travel) to a Max value of 600 mins . Thus Range is 600 which is the main reason for the large spread.
Further , Observing from the box plot , Quartile values are Q1(8) and Q3(60) and IQR(52).The median is 35 mins.Since this was a Right skewed distribution hence verified that mean > median . Mode for the given data is 0 mins.Hence, it can be concluded that most of the students work from home.
The main observation is that daily commute time of maximum students(**Count=270**) is between 0-20 mins.

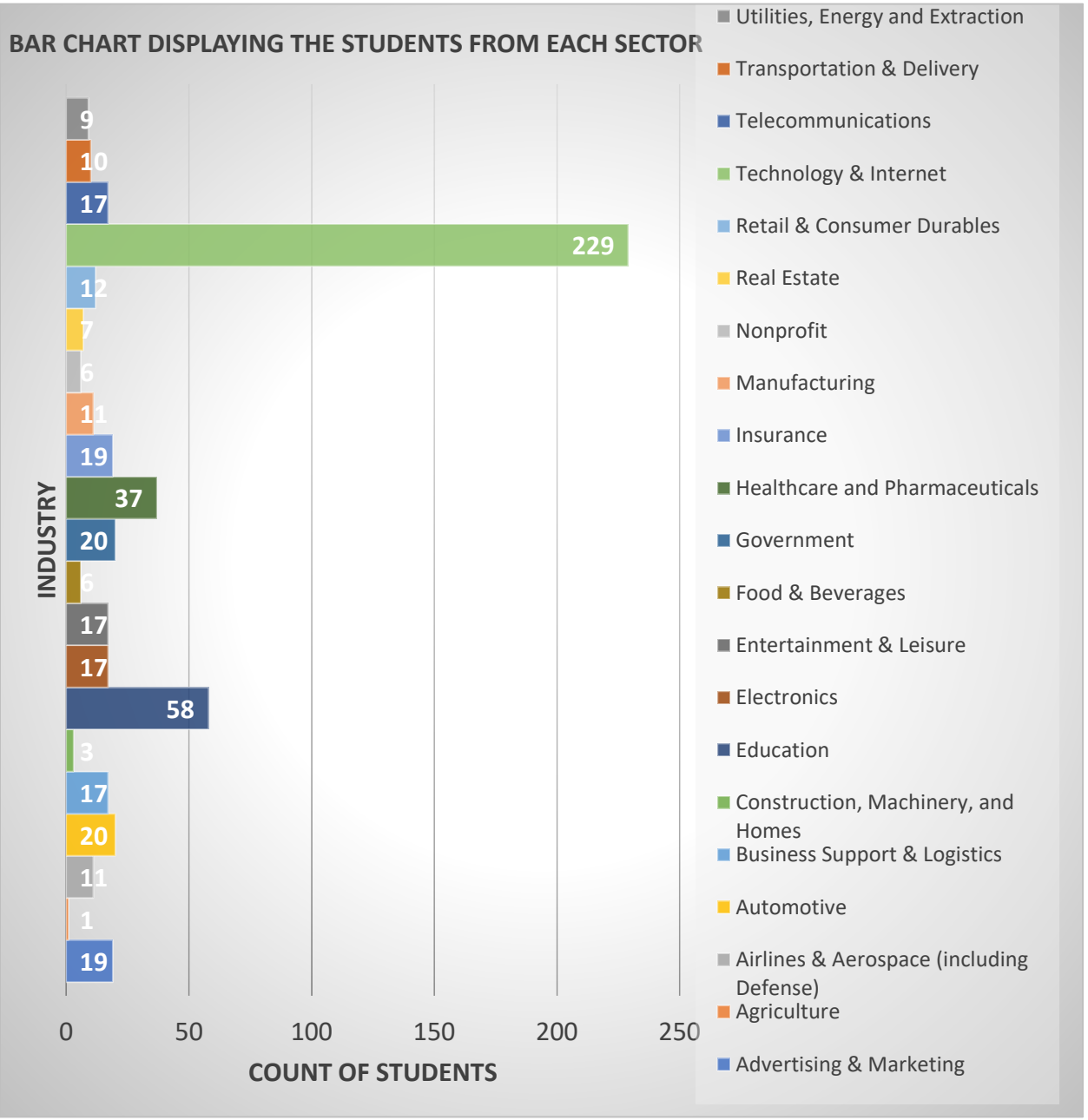
Comparison of Students of different Age Groups





The following histogram displays the students who opted for the survey sorted between different age groups.
From observation the maximum number of students(197) are from the age group 25-30 years followed by age group 30-35(153). Thus ,most students who participated were youths.
For the data the average age is 31.81 years (abrupt value) but it still gives the idea that most students who participated in the survey were near to this age group. Also , there are no students between the age groups 5-15 and 65-75 which implies they had less or no knowledge of this survey.
For the data , the mean age value comes out as 31 which is very much closer to the average value.
The measure of spread ie the Standard Deviation is 9.672 which points out there are values which are comparatively far from the mean value. An example of such case is a student from the age group 75-80 and also students of age group 0-5.
From the box plot the observed values of quartile values are Q1(26) and Q3(37).Thus , IQR is 11 and the range between the different ages is 78 years which is a huge range and shows that students of almost every age group actively participated.

Analysing the Udacity Graduates according to what Industry they work In



The bar chart displayed here shows how many Udacity students(who appeared for survey) are employed in which Industry.

On analysing the PI chart it clearly shows that maximum Udacity students (Exact count = 229) are working in the field of Technology and Internet .This shows the immense interest of students in the field of technology.

The next most popular choice among the students is that of Education field(Exact count = 57).This shows that students who appeared in this survey were also from the teaching sector ie Teachers/Professors etc.

The sector with the least number of students is Agriculture with just one graduate student. Thus , in this sector improvements should be made so that more number of students from this sector also show active participation.