

	Mean	Median	Standard Deviation	Variance	Range	Minimum	Maximum
<b>Full Time Enrollment</b>	165.16	126	140.84	19836.22	12-463	12	463
<b>Student per Faculty</b>	8.48	7	5.06	25.60	2-19	2	19
<b>Local Tuition</b>	12374.92	11513	7778.42	60503872	1000-33060	1000	33060
<b>Foreign Tuition</b>	16581.8	17765	9134.85	38445412	1000-33060	1000	33060
<b>Age</b>	28.36	29	3.79	14.33	22-37	22	37
<b>%Foreign</b>	43.16	10.5	66.04	4361.82	0-70	0	70
<b>Starting Salary</b>	37292	41400	23459.25	550336600	7000-87000	7000	87000

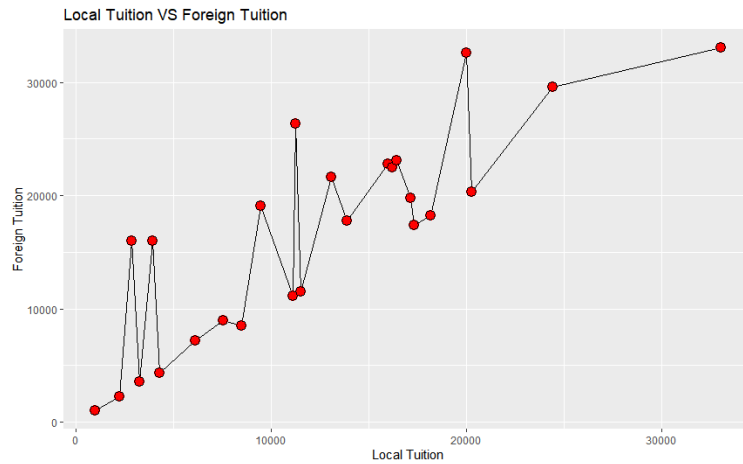
#### Question 1:

Insights:

- Full Time Enrollment shows huge differences between the minimum and maximum value among Asia-Pacific business schools which indicates the high variability and dispersion
- Values of Student per Faculty range from 2 to 19, with the mean of 8.48, which reflects the variability of per-capita educational resources among different schools
- There is not much difference between the fees of local and foreign tuitions
- In Asian-Pacific business schools, average age of students enrolled is 28
- Starting salaries for few schools appear to be inappropriately high compared to others
- The starting salaries are higher of the schools which have higher number of foreign students

#### Question 2A:

- There is marginal change between local and foreign tuition costs.
- The difference between the local and foreign tuition fees in some schools is represented by the spikes in the above graph



### Question 2B:

- The mean starting salaries for schools requiring work experience is more than not requiring work experience.

Requiring Work experience	Not Requiring work experience
71,400	7,100
65,200	31,000
22,800	87,000
43,300	7,500
46,600	7,400
49,300	7,500
49,600	
34,000	
60,100	
17,600	
52,500	
25,000	
66,000	
41,400	
48,900	
7,000	
55,000	
16,000	
13,100	
<b>Mean: 41305.26</b>	<b>Mean: 24583.33</b>

### Question 2C:

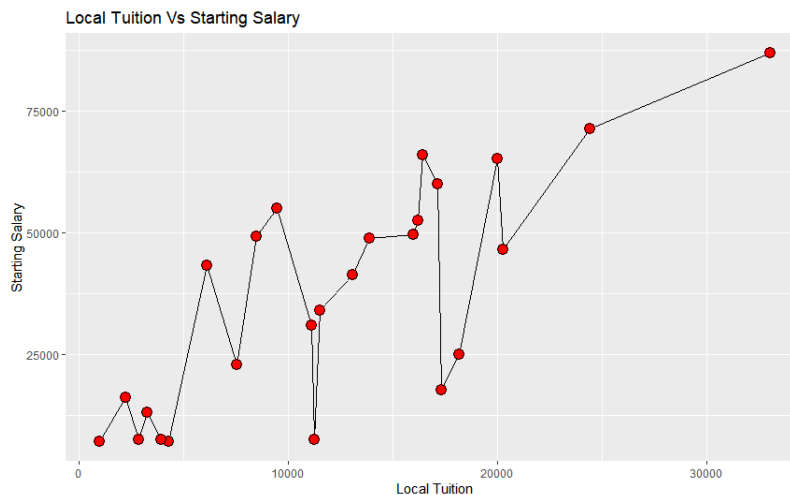
- The mean starting salaries for schools requiring English test is more than not requiring English test.

English test required	English test not required
87,000	71,400
43,300	65,200
46,600	7,100
52,500	31,000
25,000	22,800
41,400	7,500

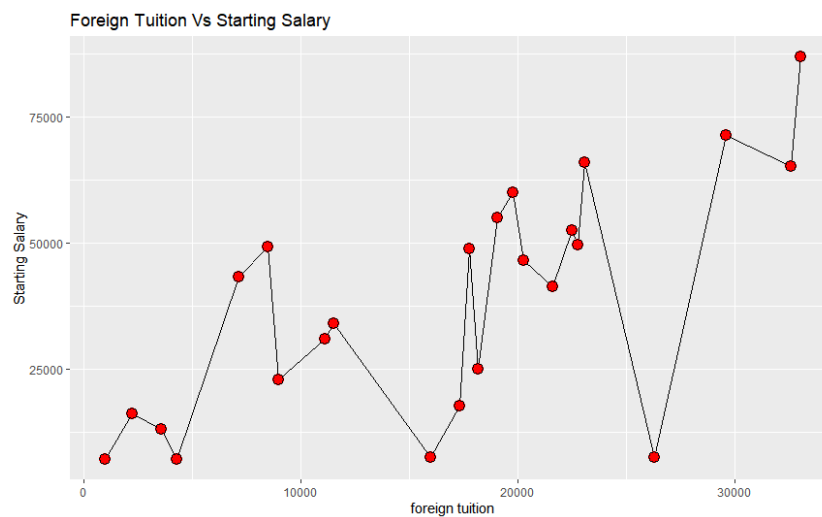
48,900	7,400
16,000	49,300
	49,600
	34,000
	60,100
	17,600
	66,000
	7,000
	55,000
	7,500
	13,100
<b>Mean: 45087.5</b>	<b>Mean: 33623.53</b>

### Question 3:

- Visual Measures:
  - The local tuition appears to be directly proportional to starting salary barring a few exceptions which are clear from few spikes in below graph



- The relation between foreign tuition and starting salary seems to be erratic with many spikes all over the graph below



- Numerical Measures:

- Correlation coefficient is a measure of relationship between the two variables. The value is calculated by Pearson method
- The correlation coefficient for local tuition vs starting salary is closer to 1.0 which resembles strong positive linear relationship
- The correlation coefficient for foreign tuition vs starting salary is not that close to 1.0 but still greater than 0.5 which resembles weak positive linear relationship

	Local Tuition Vs Starting Salary	Foreign Tuition Vs Starting Salary
<b>Correlation Coefficient</b>	0.785	0.666
<b>Linear Relationship</b>	More Positive	Less Positive

#### Question 4:

- The quartiles values are as mentioned in the graph below. The IQR value is **36500**.
- The minimum and maximum values of the boxplot are **-38750** and **107250** respectively.
- The minimum and maximum values of starting salaries are **7000** and **87000** which are within the range of the boxplot
- Hence, there are no outliers in the starting salary data

