

Explanation of find out outlayer in the dataset

	sl_no	ssc_p	hsc_p	degree_p	etest_p	mba_p	salary
IQR	107	15.1	12.1	11	23.5	8.31	60000
1.5rule	160.5	22.65	18.15	16.5	35.25	12.465	90000
lesser	-106	37.95	42.75	44.5	24.75	45.48	150000
greater	322	98.35	91.15	88.5	118.75	78.72	390000
min	1	40.89	42.75	50	50	51.21	200000
max	215	89.4	91.15	88.5	98	77.89	390000

Purpose of iqr☹️inter quartile range

to know the outlayer present in the dataset

$IQR = Q3 - Q1$

$Q3$ = Greater range outlayer

$Q1$ = lesser range outlayer

min value is compared to lesser value find out lesser range outlayers

max value is compared to greater value find out greater range outlayer

incase min value is smaller than lesser range value it will transformed into lesser value to that respective min column which means neglecting of lesser range outlayer

here hsc pass mark of min =37, lesser of hsc mark =42.75 (before)

min value is converted into 42.75 which means outlayer neglected(after)

similarly, hsc greater value=91.15, hsc max valu=97.7,

maximun value is conveted into 91.15 which means outlayer neglected

same kind of action takes place salary, degree pass mark of greater outlayer neglected

