Measure of central tendancy   10/09/2023

Explanation of mean, median, mode (placement dataset)

descriptive							
	sl_no	ssc_p	hsc_p	degree_p	etest_p	mba_p	salary
mean	108	67.3034	66.3332	66.3702	72.1006	62.2782	288655
median	108	67	65	66	71	62	265000
mode	1	62	63	65	60	56.7	300000

Mean:

Average passmark of students of various exams is given below

Ssc=67.30%, hsc=66.37,degree=66.37,entrance test=72.1,mba=62.27,salary=288655

Above said data tells all the students obtained average marks of all the exams except entrance exam and to get salary range 288655

Median:

Median is also like average but neglecting the outlyers of dataset

It is also slight difference from the mean value but salary range is differed nearly 200000 due to neglecting of outlayers values of some students salary

Mode:

Repeated value of dataset of column is known as mode

More number of Students got Repeated marks of various exams

Ssc=62,hsc=63,degree=65,entrance=60,mba=56,salary=30000

Explanation of percentile

descriptive

	sl_no	ssc_p	hsc_p	degree_p	etest_p	mba_p	salary
mean	108	67.3034	66.3332	66.3702	72.1006	62.2782	288655
median	108	67	65	66	71	62	265000
mode	1	62	63	65	60	56.7	300000
Q1:25%	54.5	60.6	60.9	61	60	57.945	240000
Q2:50%	108	67	65	66	71	62	265000
Q3:75%	161.5	75.7	73	72	83.5	66.255	300000
99%	212.86	87	91.86	83.86	97	76.1142	NaN
Q4:100%	215	89.4	97.7	91	98	77.89	940000

Percentile tells about location dataset

From the given dataset

First 25% of the students got 54.5 marks of ssc exam,and hsc=60.9,degree=61,entrance=60,mba=57,salary=240000

Next 25% of students got 7 marks of ssc exams(67-60),hsc=5marks,degree=5,entrance=11,mba=4mrks,slary=250000

Next 50 to 75 % of students got ssc marks is 7,hsc=8marks,degree=11marks,entrance=14marks,mba=10marks

And salary is 250000

last 1% of students got 2.4 marks of ssc sxam(89.4-87)

and hsc exam mark is 6,degree=8marks,entrance exam mark=1 ,mba mark of last 1% students is 1mark

last 25% of students got salary range is 640000 it is high salary of compared to other students