Central Tendency

[16]:
```
for columnname in quan:
    descriptive[columnname]['mean'] = dataset[columnname].mean()
    descriptive[columnname]['median'] = dataset[columnname].median()
    descriptive[columnname]['mode'] = dataset[columnname].mode()[0]
descriptive
```

[16]:

	sl_no	ssc_p	hsc_p	degree_p	etest_p	mba_p	salary
mean	108.0	67.303395	66.333163	66.370186	72.100558	62.278186	288655.405405
median	108.0	67.0	65.0	66.0	71.0	62.0	265000.0
mode	1	62.0	63.0	65.0	60.0	56.7	300000.0

According to placement dataset , below are the obervations

Mean

- In 10^{th} ,12^{th} ,degree and MBA the students are in average category. They have scored above 60
- In the entrance exam alone they have scored above 70. So they have performed good
- On an average these group of people are getting a average of 2 lakh 88 thousand as the salary

Median

- According to the median it is same as mean for all columns except salary.
- But in the salary we have difference of 23655 between mean and median.
- So we can say that we have outliers in the salary

Mode

- According to this dataset ,
- In 10^{th} standard most of the students have scored 62
- In 12^{th} standard most of the students have scored 63
- In the degree most of the students have scored 65
- In the entrance test most of the students have scored 60
- In MBA most of the students have scored 56.7
- Most of the members are getting salary of 3 Lakh

So we can conclude that these group of students belong to an average category