ANALYSIS OF PLACEMENT DATASET

The Quantitative and Qualitative values are separated using the below function.

```python
# Logic to separate Quan and Qual Automatically using Function

def QuanQual(dataset):
    Quan=[]
    Qual=[]
    for ColumnName in dataset.columns:
        #print(ColumnName)
        if (dataset[ColumnName].dtypes=="O"):
            #print("Qual")
            Qual.append(ColumnName)
        else:
            #print("Quan")
            Quan.append(ColumnName)
    return Quan,Qual
```

Mean, Median and Mode:

```python
descriptive = pd.DataFrame(index=["Mean", "Median", "Mode"], columns=Quan)
for ColumnName in Quan:
    descriptive[ColumnName]["Mean"]=dataset[ColumnName].mean()
    descriptive[ColumnName]["Median"]=dataset[ColumnName].median()
    descriptive[ColumnName]["Mode"]=dataset[ColumnName].mode()[0]
```

```
descriptive
```

	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

ssc_p:

The average score is 67.3% with a median of 67% and mode 62%, which shows the consistent performance of the students in SSC.

hsc_p:

The average score is 66.3%, with a median of 65% and mode 63%, which indicates the average performance of the students in HSC.

Degree_p:

The average score is 66.3%, with a median of 66% and mode 65%, which also shows the consistent performance in degree.

Etest_p:

The average score is 72.1%, with a median of 71% and mode 60%, which reflects the students have performed well and got higher scores in entrance tests than the academic.

MBA_p:

The average score is 62.2%, with a median of 71% and mode 60%, which shows the average performance of the students in MBA.

Salary:

The average salary is Rs.2,88,655 which indicates the students received an average salary for their average performance in academics.

The median salary is Rs.2.65,000 which is lower than the mean due to presence of higher outliers.

The mode salary is Rs.300000 which indicates the most frequent salary offered in placement.