

# Central Tendency Assignment

This assignment explains the **central tendency** of the MBA Placement dataset

[34]:

	sl_no	ssc_p	hsc_p	degree_p	etest_p	mba_p	salary
<b>Mean</b>	108.0	67.303395	66.333163	66.370186	72.100558	62.278186	288655.405405
<b>Median</b>	108.0	67.0	65.0	66.0	71.0	62.0	265000.0
<b>Mode</b>	1	62.0	63.0	65.0	60.0	56.7	300000.0

The above table shows the **Mean, Median, and Mode** values for SSC, HSC, Degree, Entrance Test, MBA, and Salary.

## Mean:

On average, students performed fairly well in their academics. The mean scores are:

- SSC (10th) – **67.3**
- HSC (12th) – **66.3**
- Degree – **66.3**
- Students showed a **better performance** in the **Entrance Test (72.1)**, but their **MBA performance slightly declined to 62.2**
- The **average salary** offered to students is approximately **Rs.2,88,655**.

## Median:

Most students scored **between 60 and 71**, and the **middle salary** in the dataset is around **Rs.2.65 lakh**.

## Mode:

The most frequently occurring mark and salary value in the dataset are:

- SSC – **62**
- HSC – **63**
- Degree – **65**
- Entrance Test – **60**
- MBA – **56.7**
- Salary – **Rs.3 lakh**

## Overall Performance Summary:

The overall performance of the class can be considered **average**, and this is reflected in their placement outcomes, with most students earning salaries between **Rs.2.65 lakh and Rs.3 lakh**.