

SUMMARY REPORT ON PLACEMENT DATA

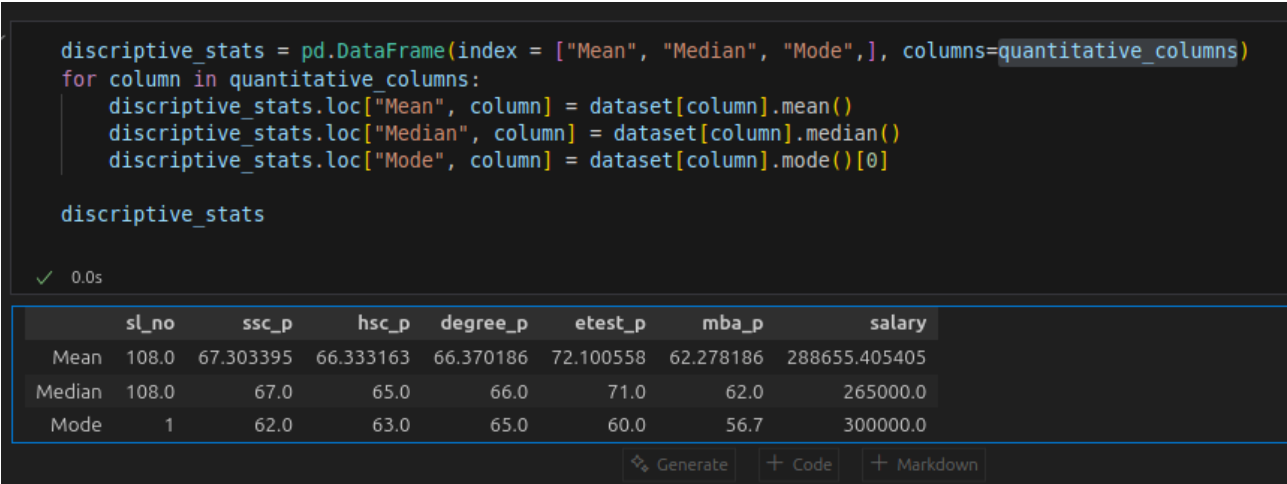
Objective:

To understand the central tendencies (Mean, Median, Mode) of the dataset containing academic scores and salary outcomes on quantitative_columns, dispersion (quartiles), and outlier detection (99th percentile).

Dataset Attributes:

Column	Description
sl_no	Serial number (identifier)
ssc_p	Secondary Education Percentage
hsc_p	Higher Secondary Education %
degree_p	Undergraduate Degree %
etest_p	Employability Test %
mba_p	MBA %
salary	Annual salary (₹)

Statistical Summary



Observations

Academic Scores

- Most students fall within **60–75% range** across ssc_p, hsc_p, and degree_p, with a strong central tendency (mean ≈ median).
- Outliers exist, as evident from max values (ssc_p = 89.4, hsc_p = 97.7), and the 99th percentiles suggest **very few high-achievers**.

Employability Test (etest_p)

- Higher variance observed.
- **Mean (72.1%)** and **Q3 (83.5%)** indicate good test performance by top 25%.
- **Mode = 60%** suggests many scored lower.

MBA Scores

- Fairly concentrated around 62%.
- **Top 1% scored up to 76.11%**, while the **maximum was 77.89%** — no extreme outliers here.

Salary:

- Mean salary: ₹2,88,655
 - Median salary: ₹2,65,000
 - Mode salary: ₹3,00,000
- This distribution implying some high-paying offers inflating the average.

Quartile Salary (₹)

Q1	2,40,000
Q2	2,65,000
Q3	3,00,000
Max	9,40,000
Mode	3,00,000

- **Majority of students (75%) earn \leq ₹3,00,000**
- Mode matches Q3 — **₹3,00,000 is a common**
- Max (₹9,40,000) is a **clear outlier** (likely 1% or fewer)

Interpretation

- Students with mid-to-high academic scores tend to receive average salaries around ₹2.6–3.0 Lakhs.
 - The slight differences between mean and median in salary suggest **moderate salary disparity**, possibly due to a few outlier job offers.
 - **salaries** at Q3 (₹3L) for visualization may improve due to outliers
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