Data analysis

In [64]: descriptive

Out[64]:

	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
Q1:25%	54.5	60.6	60.9	61.0	60.0	57.945	240000.0
Q2:50%	108.0	67.0	65.0	66.0	71.0	62.0	265000.0
Q3:75%	161.5	75.7	73.0	72.0	83.5	66.255	300000.0
99%	212.86	87.0	91.86	83.86	97.0	76.1142	NaN
Q4:100%	215.0	89.4	97.7	91.0	98.0	77.89	940000.0

Summary:

In this dataset, the mean, median, and mode scores for students ranging from 10th grade to degree holders, as well as the average salary, are provided. The data is segmented into different percentiles, showcasing the progression of scores and salary as we move through the student population.

The mean scores indicate the average performance, while the median represents the middle point of the data, and the mode shows the most frequently occurring scores. The dataset is divided into 25%, 50%, 75%, 99%, and 100% segments, with each segment presenting an increase in scores and salary compared to the previous one.

These insights provide a comprehensive view of the distribution and performance of students in the dataset at various percentiles

MEAN

In this dataset, the mean scores for students, ranging from 10th grade to degree holders, are as follows: SSLC (67.3), HSE (66.3), DEGREE PG (66.3), E TEST (72.1), MBA (62.2), with an average salary of 288,655.

MEDIAN

The median scores for all students are as follows: SSLC (67), HSE (66), DEGREE PG (66), E TEST (71), MBA (62), and a salary of 265,000.

MODE

The mode, or most frequently occurring scores, for all students are: SSLC (62), HSE (63), DEGREE PG (65), E TEST (60), MBA (56.7), and a salary of 300,000.

25% students

Additionally, 25% of the students scored SSLC (60.6), HSE (60.9), DEGREE PG (61), E TEST (60%), MBA (57.94), and an average salary of 240000.

50% students

Furthermore, when looking at 50% of the students, there is an increase in scores compared to the 25% group. Specifically, SSLC scores increased by 7 points to 67, HSE scores increased by 8%to 73, DEGREE PG scores increased by 11.86% to 72, E TEST scores increased by 11 %to 71, MBA scores increased by 4.255% to 66.255and the average salary increased by 25,000 to a total of 265000.

75% students

Furthermore, when looking at 75% of the students, there is an increase in scores compared to the 50% group. Specifically, SSLC scores increased by 8.7% to 89.4, HSE scores increased by 3% to 65, DEGREE PG scores increased by 5% to 66, E TEST scores increased by 12.5% to 83.5, MBA scores increased by 6% to 62, and the average salary increased by 35,000 to a total of 300,000.

99% STUDENTS

Furthermore, when looking at 99% of the students, there is an increase in scores compared to the 75% group. Specifically, SSLC scores increased by 11.3% to 87, HSE scores increased by 18.86% to 91.86, DEGREE PG scores increased by 5% to 83.86, E TEST scores increased by 13.5 % to 97, MBA scores increased by 9.85 % to 76.11

100% STUDENTS

Furthermore, when looking at 100% of the students, there is an increase in scores compared to the 99% group. Specifically, SSLC scores increased by 2.4% to 89.4, HSE scores increased by 5.84% to 97.7 DEGREE PG scores increased by 7.14 % to 91, E TEST scores increased by 1% to 98, MBA scores increased by 1.77% to 77.89, and the average salary total of 940,000.