

DATASET

	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
IQR	107.0	15.1	12.1	11.0	23.5	8.31	60000.0
1.5 rule	160.5	22.65	18.15	16.5	35.25	12.465	90000.0
Lesser	-106.0	37.95	42.75	44.5	24.75	45.48	150000.0
Greater	322.0	98.35	91.15	88.5	118.75	78.72	390000.0
Min	1	40.89	37.0	50.0	50.0	51.21	200000.0
Max	215	89.4	97.7	91.0	98.0	77.89	940000.0
skew	0.0	-0.132649	0.163639	0.244917	0.282308	0.313576	3.569747
kurtosis	-1.2	-0.60751	0.450765	0.052143	-1.08858	-0.470723	18.544273

SUMMARY

Skewness:

In this dataset, the curve scores for various levels of education and average salary of 3.569747 for students from class 10 to graduation are as follows:

SSLC: The curve score for SSLC completed students is -0.132649. This negative skewness suggests that the salary distribution for SSLC students is slightly left-skewed, meaning that there may be some students with lower salaries, resulting in a slight tail on the left side of the distribution.

HSE: For HSE qualified students, the skewness score is -0.163639. As with SSLC, this negative skewness indicates a slight left skew in the salary distribution for HSE students, indicating that there are some lower salaries.

Degree PG: The curve score for degree and post graduate students is 0.244917. This positive skewness suggests that the salary distribution for these students is right-skewed, meaning that there may be some students with higher salaries, leading to a slight tail on the right side of the distribution.

E TEST: Students who passed the E test scored 0.282308. This positive skew indicates a right-skewed salary distribution for E test takers, and suggests that some students may earn higher salaries.

MBA: MBA students scored 0.313576. This positive curve indicates that the salary distribution for MBA students is right-skewed, with some higher salaries likely.

Overall, these curve scores provide insight into the shape of salary distributions for students at different educational levels. A negative curve suggests a left curve with lower salaries, while a positive curve suggests a right curve with higher salaries. Average salary 3.569747 serves as the central measure for the dataset.

Kurtosis:

In the dataset you've provided, which covers students from different educational backgrounds, kurtosis scores have been calculated for each group. Additionally, the average salary is given as 18.544273. Here's an interpretation of the kurtosis scores and their implications:

- **SSLC:** The kurtosis score for SSLC students is -0.60751. A negative kurtosis score suggests that the salary distribution for SSLC students is platykurtic, which means it has lighter tails and is less peaked compared to a normal distribution. In this context, it may imply that the salary distribution for SSLC students is relatively spread out, with fewer extreme values (outliers).
- **HSE:** For HSE students, the kurtosis score is 0.450765. A positive kurtosis score indicates a leptokurtic distribution, meaning it has heavier tails and is more peaked compared to a normal distribution. This suggests that the salary distribution for HSE students may have more extreme values (outliers) and is concentrated around the mean.
- **DEGREE PG:** Students with a degree and postgraduate qualifications have a kurtosis score of 0.052143. A kurtosis score close to zero suggests that the distribution is mesokurtic, which means it is similar in shape to a normal distribution. The salary distribution for these students might be relatively normally distributed.
- **E TEST:** The kurtosis score for E Test takers is -1.08858. A negative kurtosis score indicates a platykurtic distribution with lighter tails, suggesting that the salary distribution for E Test students is relatively spread out, with fewer extreme values.
- **MBA:** MBA students have a kurtosis score of -0.470723, indicating a platykurtic distribution similar to SSLC and E Test students. This suggests a relatively spread-out salary distribution with fewer extreme values.

The average salary of 18.544273 serves as a central measure for the entire dataset.

In summary, the kurtosis scores provide insights into the shape and tailedness of the salary distributions for students at different education levels. Positive kurtosis indicates heavier tails and greater central concentration, while negative kurtosis suggests lighter tails and a more spread-out distribution. A kurtosis score near zero suggests a distribution close to a normal bell-shaped curve.