Student Performance & Salary Data (Frequency-Outliers)

	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	1.0	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
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-Value	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	-106.0	15.1	12.1	11.0	23.5	8.31	60000.0
Max	322.0	98.35	97.7	91.0	118.75	78.72	940000.0

Outliers are the data points that lie far away from the majority of values.

- **Lesser** = Q1 − (1.5 × IQR) → unusually *low* values

- **Greater** = Q3 + (1.5 × IQR) → unusually *high* values

- **Min** and **Max** represent the actual lowest and highest data points

Feature	IQR	Lesser	Greater	Min	Max	Outlier Observation
ssc_p	15.1	37.95	98.35	15.1	98.35	A few students scored extremely low (below 38%) and some very high (≈98%).
hsc_p	12.1	42.75	91.15	12.1	97.7	Strong variation — a few outliers with very poor or exceptional performance.
degree_p	11	44.5	88.5	11	91	A few outliers exist; marks spread widely in degree exams.
etest_p	23.5	24.75	118.75	23.5	118.75	Some students scored too low (<25%) and some exceeded the normal high range (>100).
mba_p	12.3	45.48	78.72	31.8	78.72	A few students performed very low in MBA, though most scores are within range.
salary	60,000	1,50,000	3,90,000	60,000	9,40,000	Clear outliers — a few low salaries (<1.5L) and some very high (>9L).