**Student Performance & Salary Data (Skew & Kurtosis)**



A close up of numbers

AI-generated content may be incorrect.

**Summary of Skewness and Kurtosis**

Skewness measures the symmetry of data.

* + 0 → Perfectly symmetrical
  + Positive → Tail leans to the right (more low values)
  + Negative → Tail leans to the left (more high values)

Kurtosis measures the peakedness or flatness of a distribution.

* + Normal kurtosis = 0 (mesokurtic)
  + Positive (>0) → Sharper peak (leptokurtic)
  + Negative (<0) → Flatter peak (platykurtic)

**Skewness & Kurtosis Analysis**

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| --- | --- | --- | --- |
| **Columns** | **Skewness** | **Kurtosis** | **Summary** |
| **sl\_no** | 0 | -1.2 | Symmetrical data, flatter than normal. |
| **ssc\_p** | -0.133 | -0.608 | Slightly left-skewed, broad peak (flat). |
| **hsc\_p** | 0.164 | 0.451 | Slight right skew, slightly peaked. |
| **degree\_p** | 0.245 | 0.052 | Near normal shape, mild right skew. |
| **etest\_p** | 0.282 | -1.089 | Right-skewed, flat distribution. |
| **mba\_p** | 0.314 | -0.471 | Mild right skew, less peaked. |
| **salary** | 3.57 | 18.544 | Highly right-skewed and extremely peaked — presence of high salary outliers. |