**Report for HSK:**



**Summary of the Placement Dataset**

The placement dataset provides an overview of various statistical measures related to the attributes being analyzed. Two important measures in this report are **skewness** and **kurtosis**.

1. **Skewness**:
   * Skewness tells us about the symmetry of the data distribution. A skewness value of 0 indicates a perfectly symmetrical distribution.
   * In our dataset, skewness values range from 0.0 to 0.8067. A skewness close to 0, like -0.132649, suggests the data is nearly symmetrical. Positive values like 0.8067 indicate a right-skewed distribution, meaning there are more values on the lower end, and the tail is longer on the right side.
2. **Kurtosis**:
   * Kurtosis measures the "tailedness" or how extreme the outliers are in the data. A normal distribution has a kurtosis value of 0.
   * In our dataset, the kurtosis values range from -1.2 to -0.239837. Negative values indicate a flatter distribution with fewer extreme outliers compared to a normal distribution. The value of -1.2 suggests the flattest distribution, while the value of -0.239837 indicates a distribution that is still flat but closer to normal.

**Overall Summary:**

* Overall, the placement dataset shows that most of the attributes have nearly symmetrical distributions with moderate skewness and kurtosis. Some attributes are slightly skewed to the right, indicating that there are more lower values, and the distributions are generally flatter, meaning fewer extreme values.