**Educational Milestones and Salary Statistics**

This document provides a comparative analysis of the educational pass percentages : SSC, HSC, Degree, Entrance, and MBA and explores their correlation with salary outcomes.

**1. Comparison of Pass Percentages**

Below is a comparative evaluation of the pass percentages across different educational stages:

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Education Level** | **SSC Pass** | **HSC Pass** | **Degree Pass** | **Entrance Pass** | **MBA Pass** |
| **Mean** | 67.3 | 66.33 | 66.37 | 72.1 | 62.28 |
| **Median** | 67 | 65 | 66 | 71 | 62 |
| **Mode** | 62 | 63 | 65 | 60 | 56.7 |

**Key Observations:**

* **SSC and HSC Pass Percentages** are closely aligned (Mean: 66 - 67, Median: 65 - 67), indicating consistency in student performance at these levels.
* **Degree Pass Percentage** remains similar to HSC, showing a slight increase (Mean: 66).
* **Entrance Exam Pass Rate** is **higher than other academic milestones** (Mean: 72), suggesting competitive success in entrance tests.
* **MBA Pass Percentage** drops significantly (Mean: 62), highlighting a lower success rate compared to previous educational stages.

**2. Prediction of Salary Based on Pass Percentages**

**Salary Statistics (Post-MBA Employment Earnings):**

* **Mean Salary:** 2,88,655.40
* **Median Salary:** 2,65,000
* **Mode Salary:** 3,00,000

**Correlation Insights:**

* **Higher entrance pass percentages** indicate competitive selection, which often leads to securing better MBA institutions and higher salaries.
* **Degree pass rates are stable**, meaning students who consistently perform well academically may achieve standard salary ranges.
* **Lower MBA pass percentage (Mean: 62)** suggests that fewer students excel in their MBA program, impacting salary potential.
* **Mode salary (3,00,000) is higher than the median**, indicating that a significant number of graduates earn at least this amount, but outliers affect the mean salary.

**Predicted Salary Trends:**

Based on the educational pass percentages, the salary expectation follows this pattern:

* **Higher SSC, HSC, and Degree Pass percentages (Above 65)**: Stable career earnings (2,65,000 to 2,85,000)
* **Strong Entrance Pass percentage (Above 70)**: Higher MBA success rate and better job placements.
* **Lower MBA Pass Percentage (Below 62)**: Salary outcomes may vary, with lower success rates influencing career stability.

**Conclusion**

Educational performance plays a crucial role in salary predictions. A high entrance pass percentage (above 72) and consistent academic performance (above 65) improve the likelihood of securing competitive salary packages post-MBA. However, MBA program success is crucial for maximizing earnings, as lower pass rates may result in varied salary outcomes.