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Title of Problem Statement:

**Factors causing stress among the students**.

-->The World is getting more and more advanced day by day, but one thing I need to say that our education system is not at all being changed since long time.

-->Students are getting pressurized to a large extent.As per the stats every day around 124 students are committing suicide in India.

India has 41st highest suicide rate globally.

-->Various factors that may cause stress among the students which often leads to poor performance and grades.

-->This topic is relevant for all the educational institutions and policymakers seeking to improve students academic performance.

-->Stress is the cause of every chronic illness such as heart disease,heart attack,high blood pressure and stroke.

-->The main aim of this problem statement is to analyze What factors are the leading cause for student’s stress.

**Interpretation**:

Before starting with the data analysis, I interpreted that majority of the students are getting stressed up due lack of time management or academic pressure but that’s not the case.

-->Data Insights:

**By univariate data analysis:**

|  |  |  |
| --- | --- | --- |
| **Factors** | **YES** | **NO** |
| Academic Pressure | 67.2% | 32.8% |
| Financial Pressure | 56.9% | 43.1% |
| Sleep stress | 70.7% | 29.3% |
| Time Management | 79.3% | 20.7% |
| Lack of Interaction | 46.5% | 53.5% |
| Strict Attendence | 84.5% | 15.5% |

**By multivariate data analysis:**

1. After plotting of correlation matrix , I found that the Financial Stress and the Sleep stress are highly positively correlated which means financial stress is causing less sleep and as per data classification more number of students are under highly stressed level.
2. Also it is found that students with low financial stress are suffering from high attendance stress and the relationship is positively correlated.
3. Time management and sleep are also positively correlated which means lack of time management contributing to less sleep among the students
4. As per the box plot for academic pressure vs time management,only medium level stressed and low level stressed students are present.
5. As per the box plot for financial stress vs sleep stress, high number of students are found in both high and medium level stress with a very few in low level stress.
6. As per the boxplot for Attendance vs Interaction, almost all of the students are present in high and medium stress levels.

**Result**:

The large percentage of students are stressed due to strict deadlines of college assignments and strict attendance.