**Student’s Performance Factors Dataset**

**Overview:**

This dataset contains information about various factors that may influence student performance in academic settings. It is designed to help researchers, educators, and policymakers analyse and identify key determinants of student success.

**Dataset Details:**

Dataset Name: Student’s Performance Factors

Number of Records: [6725]

Number of Features: [6725rows, 20columns]

File Format: Excel

**Features:**

The dataset includes the following columns:

Gender: Gender of the student (e.g., Male, Female).

Parental\_Education: Highest education level attained by parents.

Study\_Time: Average study time per week (in hours).

Extracurricular: Participation in extracurricular activities (Yes/No).

Attendance: Attendance rate (percentage).

Exam\_Score: Academic performance (e.g., Marks).

Internet\_Access: Availability of internet at home (Yes/No).

Motivation\_Level: Level of Motivation (e.g., High, Medium, Low).

Parental\_Involvment: Parent’s Involvement (e.g, Low, Medium, High).

Sleep Hours: Students Sleep hours.

Etc

**Installation**

To work with this dataset in Python, you may need the following libraries

* Pyspan
* Numpy
* Matplotlib
* Plotly

**Project Goal:**

This project goal is to identify and analyse the key factors affecting student performance in order to develop targeted interventions that enhance academic success.

The main goal is to enhanced understanding of the various factors influencing student performance and to improved academic outcomes for participating students.

This approach ensures a comprehensive look at the issue while also allowing for actionable steps toward improvement

**Benefits to the industry:**

Overall, focusing on students' performance factors not only supports academic success but also fosters a more capable and adaptable workforce, benefiting both students and industries alike conducting educational research.

**Target Audience:**

When considering the target audience for factors affecting student performance, you can focus on several key groups:

* Educators and Teachers
* Parents and Guardians
* School Administrators
* Students
* Researchers and Academics
* Policy Makers
* Tutoring and Educational Support Services

Identifying and addressing the needs of these audiences can help create a more supportive educational environment that promotes student success.

**Source:**

This dataset is released on [www.kagle.com](http://www.kagle.com)

**Contact:**

For inquiries, please contact [zehra.adnan16@outlook.com](mailto:zehra.adnan16@outlook.com)