Student Performance Dashboard

Create an interactive dashboard that displays a student's performance details, including exam marks, attendance, strengths, and weaknesses, based on the selected student's name.

Dataset link: [Excel dataset file](#)

Dataset Overview

The dataset contains the following columns:

- **StudentID**: Unique identifier for each student.
- **Student Name**: Name of the student.
- **Exam Name**: Name of the exam.
- **Exam Date**: Date when the exam was conducted.
- **Exam Points**: Marks obtained by the student.
- **Strengths/Weakness**: Indicator of strengths (1) or weaknesses (0) in the subject.

Additional Details Table:

- **Student name**: Full name of the student.
- **StudentID**: A unique identifier assigned to each student.
- **Age**: Age of the student in years.
- **Gender**: Gender of the student (e.g., 0 = Female, 1 = Male).
- **Ethnicity**: Ethnic background of the student, represented as categorical values (e.g., 0 = Group A, 1 = Group B).
- **ParentalEducation**: Highest education level of the student's parents (e.g., 1 = High School, 2 = Bachelor's, 3 = Master's).
- **StudyTimeWeekly**: Average number of hours the student spends studying per week.
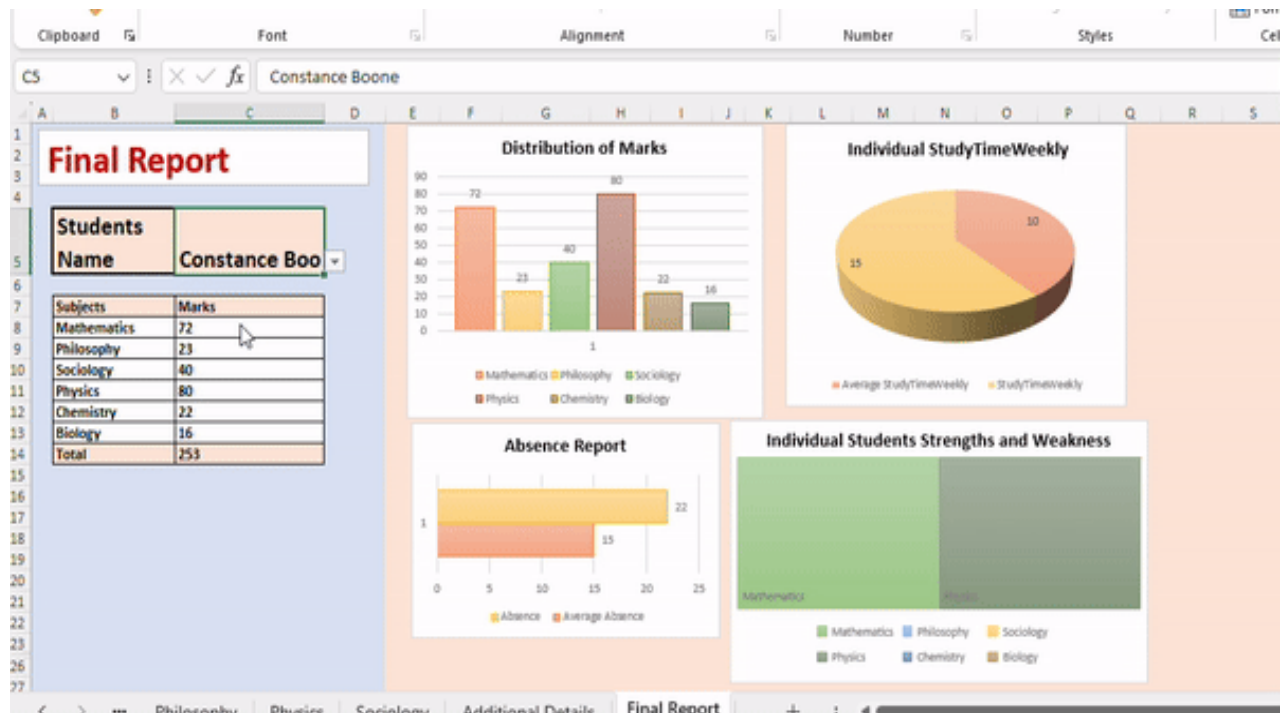
- **Absences**: Total number of days the student was absent during the academic period.
- **Tutoring**: Indicates if the student received tutoring (e.g., 0 = No, 1 = Yes).
- **ParentalSupport**: Level of support received from parents (e.g., 0 = None, 1 = Moderate).
- **Extracurricular**: Participation in extracurricular activities (e.g., 0 = No, 1 = Yes).
- **Sports**: Indicates participation in sports activities (e.g., 0 = No, 1 = Yes).
- **Music**: Indicates if the student is involved in music activities (e.g., 0 = No, 1 = Yes).
- **Volunteering**: Indicates if the student is involved in volunteering activities (e.g., 0 = No, 1 = Yes).
- **GPA**: Grade Point Average of the student (on a scale of 0 to 4).
- **GradeClass**: Grade category of the student (e.g., 1 = A, 2 = B, 3 = C, 4 = D).

Dashboard Functionality

The dashboard should allow the user to:

1. **Select a Student**: Provide a dropdown menu listing all student names.
2. **View Student Details**: Display information such as marks, attendance, strengths, and weaknesses, Weekly study time, individual absence report for the selected student.
3. **Visualize Data**:
   - Show a bar chart of marks scored in each subject.
   - Highlight strengths and weaknesses.
   - Individual Study time compared with average study time.
   - individual absence report compared with average absence report.
   - Feel free to enhance the reports by adding more details and creating additional visuals to display more comprehensive data about the students.

The screenshot below provides a reference for creating the dashboard.

Thank You!