AVG GPA	% Passing	Avg Study hrs /week	Avg Absence days
1,91	49,37%	9,77	14,54

Proportion of students by final grade.

0,11K (4,47%)
0,27K (11,25%)
0,39K (16,35%)
1,21K (50,63%)
0,41K (17,31%)

GradeLetter
- F
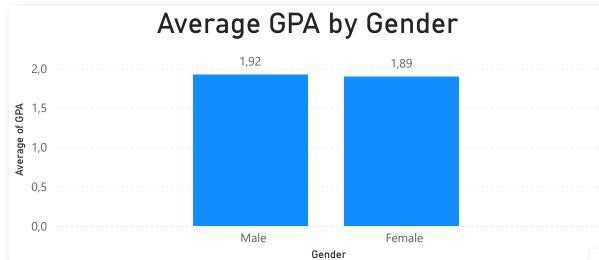- D
- C
- B
- A
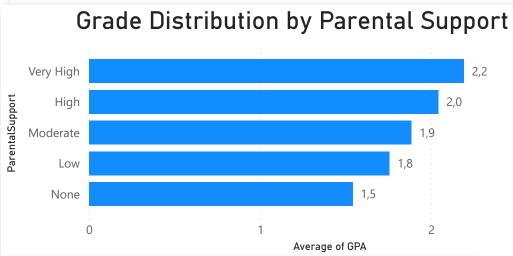
📌 Insight : Grade Distribution

50% of students received a Grade F, indicating a high failure rate that may warrant academic intervention or policy review.

🌍 Insight : Attendance & Performance

Students average **14.5 absences**, which may be contributing to the low average GPA of **1.91**, despite nearly 10 hours of weekly study time.

Filter by Gender

Female	Male

Filter by Ethnicity

African American	Asian	Caucasian	Other

Average GPA by Gender

Average of GPA

- Male: 1,92
- Female: 1,89

Gender

Average GPA by Age

Average of GPA

- 14-15: 1,90
- 16-17: 1,92
- 18+: 1,89

AgeGroup

Grade Distribution by Parental Support

ParentalSupport

- Very High: 2,2
- High: 2,0
- Moderate: 1,9
- Low: 1,8
- None: 1,5

Average of GPA

GPA by Ethnicity (Treemap)

- Other: 1,95
- Asian: 1,92
- African American: 1,95
- Caucasian: 1,88
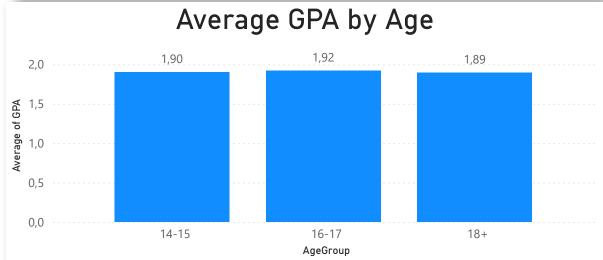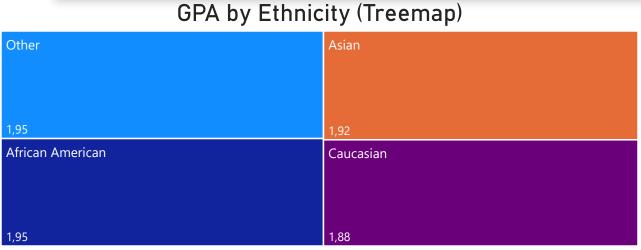
🌍 Academic Performance Drivers

Students with higher parental support achieve higher GPAs. Gender shows no significant impact on performance.

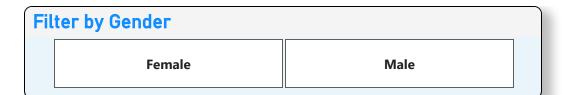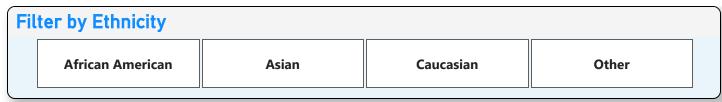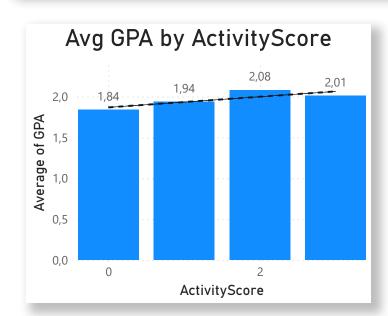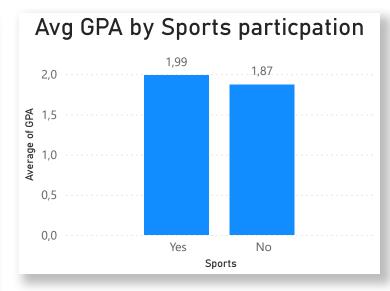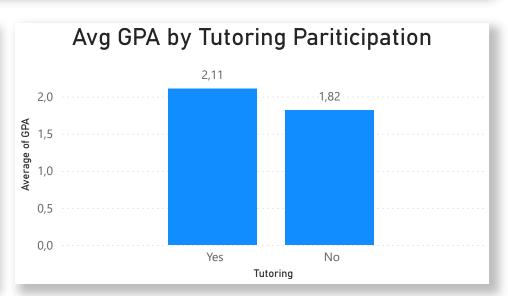## 🧠 GPA by Ethnicity

GPA varies slightly across ethnic groups. African American and "Other" students have the highest average GPA, while Caucasian students have the lowest.
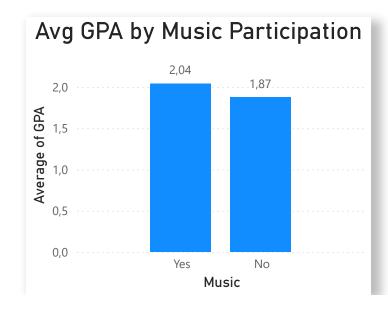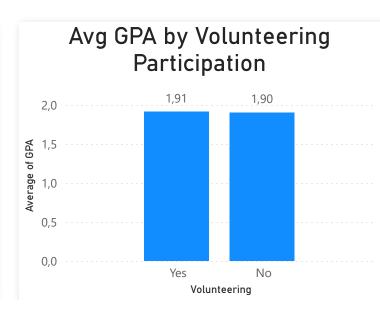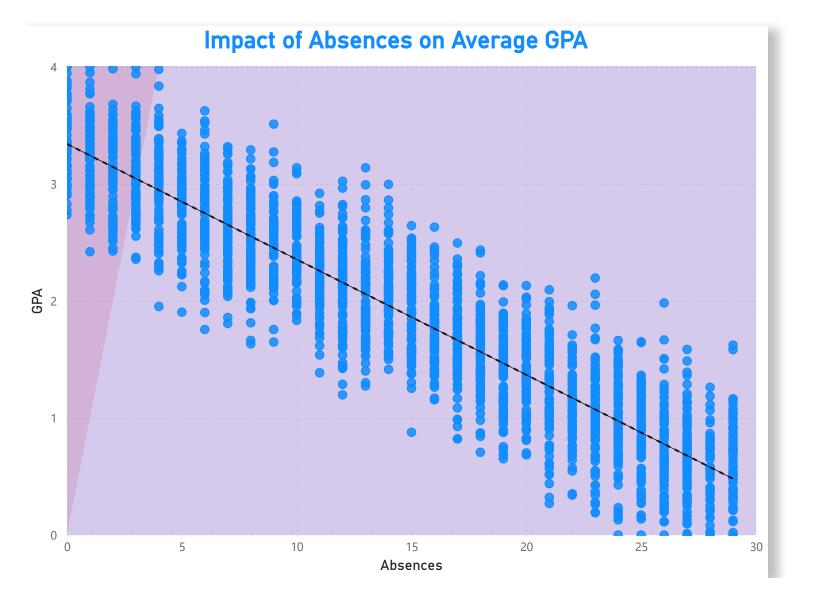
Avg GPA by ActivityScore

1,84   1,94   2,08   2,01

Average of GPA — ActivityScore (0 ... 2)

Avg GPA by Sports particpation

1,99   1,87

Average of GPA — Sports (Yes, No)

Avg GPA by Tutoring Pariticipation

2,11   1,82

Average of GPA — Tutoring (Yes, No)

Avg GPA by Music Participation

2,04   1,87

Average of GPA — Music (Yes, No)

Avg GPA by Volunteering Participation

1,91   1,90

Average of GPA — Volunteering (Yes, No)

🌍Tutoring Insight

Tutored students show a higher average GPA (2.11 vs 1.82), highlighting the benefit of academic support.

🌍Activity Insight

Greater extracurricular involvement is linked to higher GPA, with the most active students averaging **2.01**.

Impact of Absences on Average GPA

GPA Heatmap by Study Time and Absences

Weekly study time groups	0-5	10-15	15-20	20-25	25-30	5-10	Tot
0–5	2,98	1,97	1,46	0,95	0,46	2,43	1,6
10–15	3,20	2,19	1,78	1,25	0,76	2,72	2,0
15–20	3,38	2,41	1,90	1,35	0,96	2,88	2,1
Total	**3,16**	**2,16**	**1,66**	**1,16**	**0,69**	**2,65**	**1,9**

🌍 **Absence Insight**

TGPA shows a clear downward trend as absences increase. Students with more than 20 absences rarely maintain a GPA above 2.0, signaling strong academic risk