

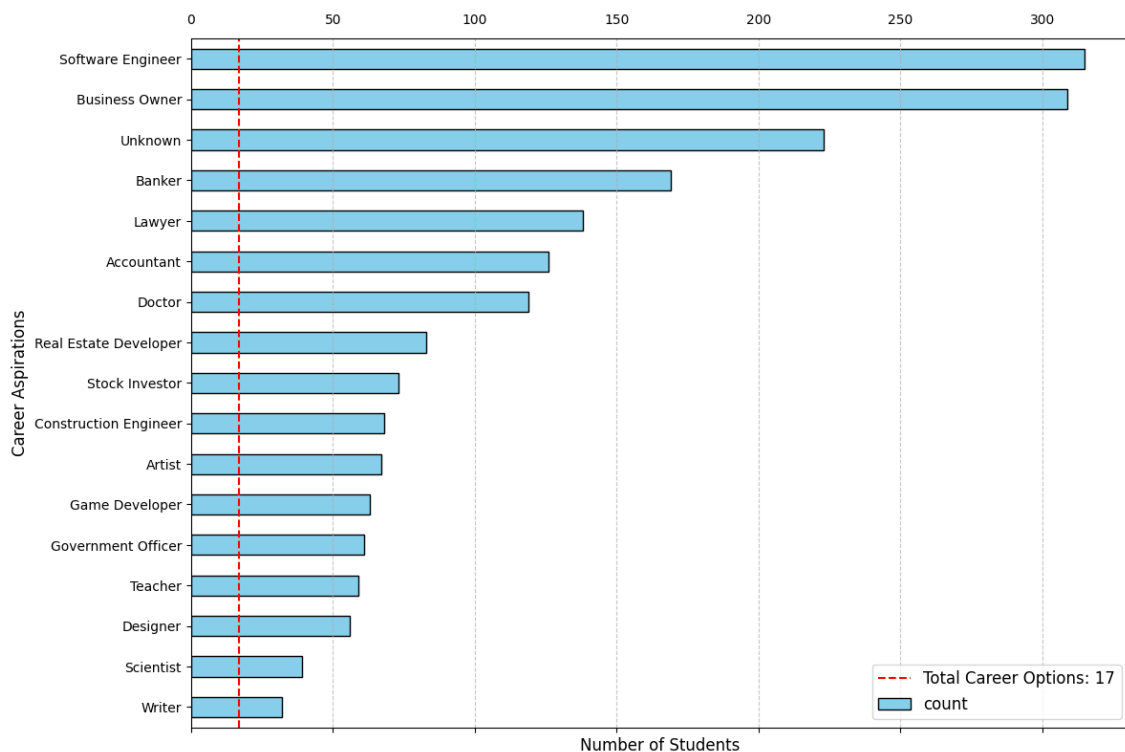
## Preparing Students for Career Success

This analysis is based on a dataset of 2000 university students, containing information about their academic performance, study habits, attendance, career aspirations, and participation in extracurricular activities. The goal is to provide insights and actionable strategies to help the university's career center better prepare students for their career aspirations.

### 1. Career Aspirations

Analysis:

- The most popular career aspiration is Software Engineer, followed by Business Owner.
- A significant portion (15.5%) of students have 'Unknown' aspirations, indicating a need for guidance.

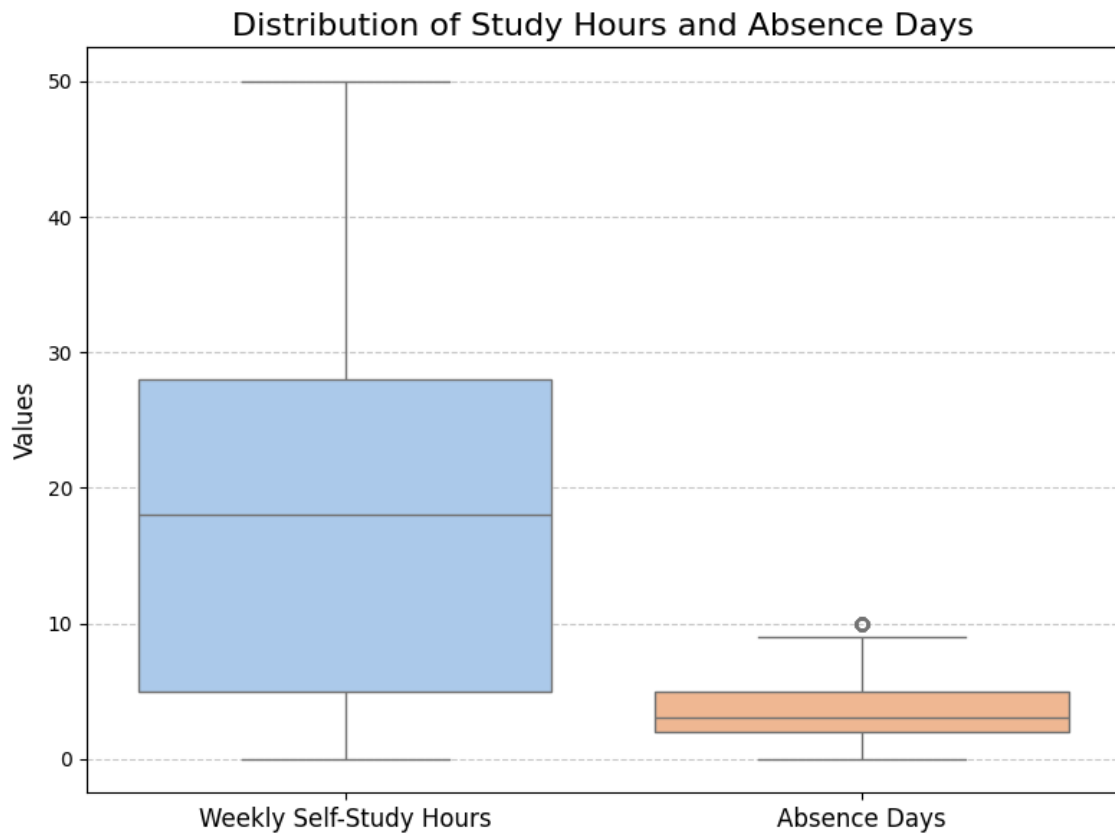




## 2. Study Hours and Absence Days

Analysis:

- Study hours vary widely, with a median of 20 hours per week.
- Absence days are generally low, but students with 8+ absences may need support.



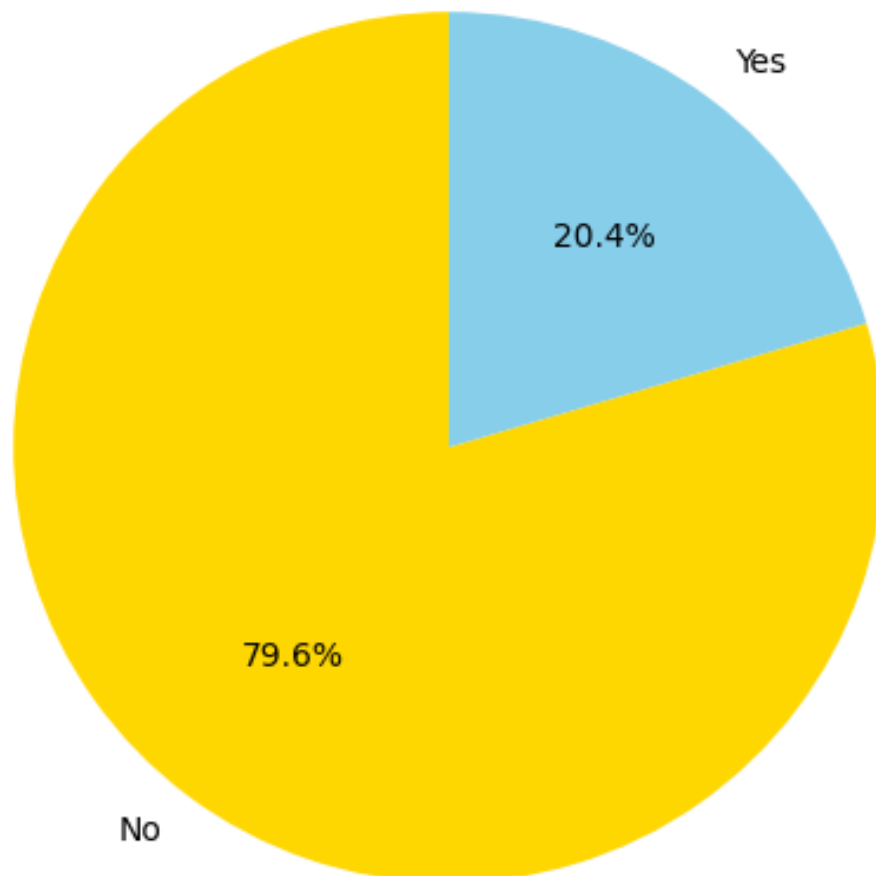


### 3. Extracurricular Participation

Analysis:

- 79.6% of students are not involved in extracurricular activities.
- Encouraging participation can help students develop diverse skills.

## Participation in Extracurricular Activities

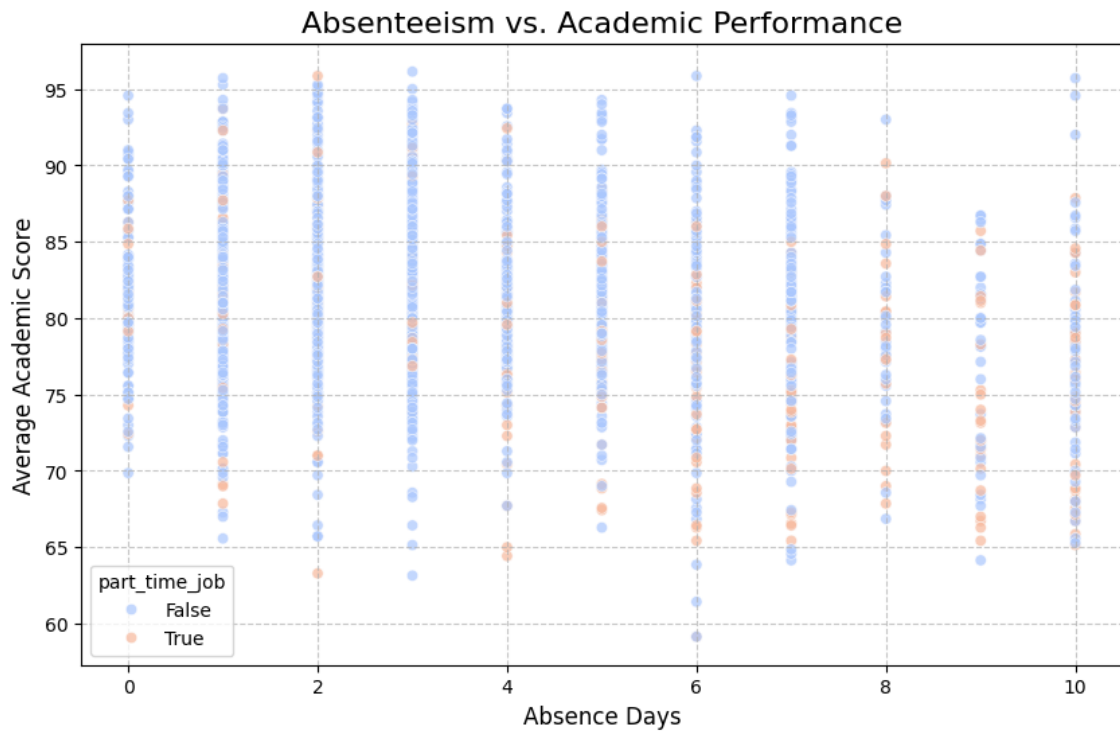


## 4. Absenteeism vs. Academic Performance



Analysis:

- Higher absenteeism correlates with lower academic performance.
- Students with part-time jobs tend to have slightly higher absenteeism.

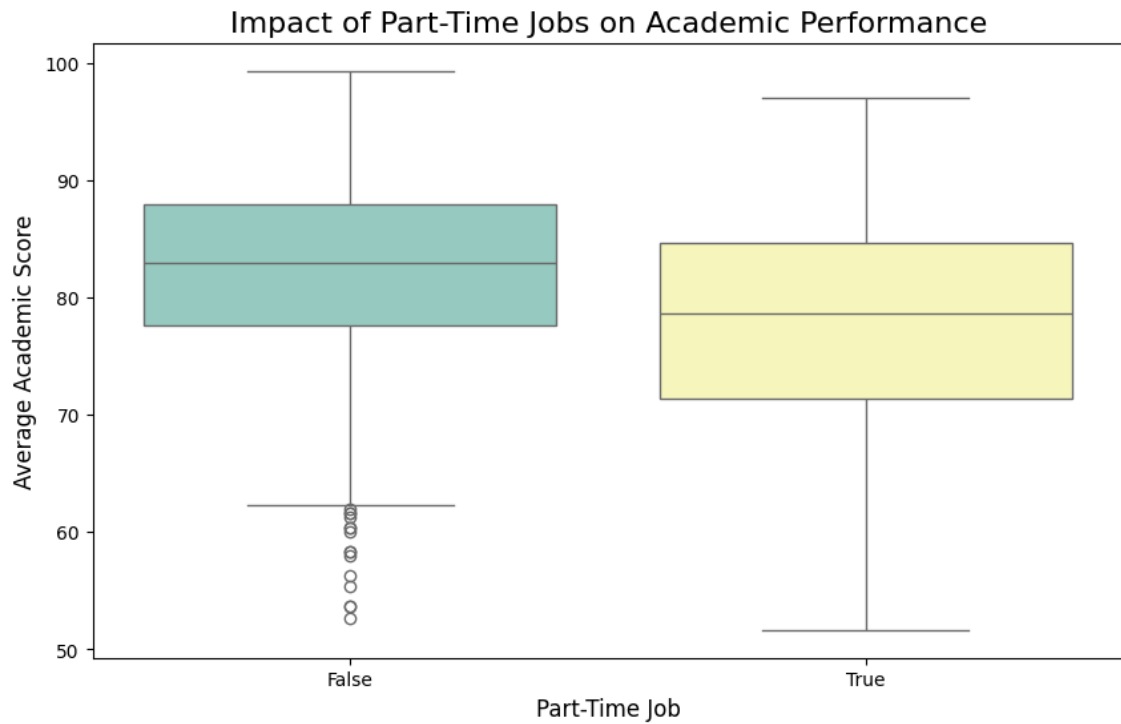


## 5. Impact of Part-Time Jobs



Analysis:

- Students without part-time jobs tend to perform slightly better academically.
- Balancing work and study is crucial for maintaining performance.

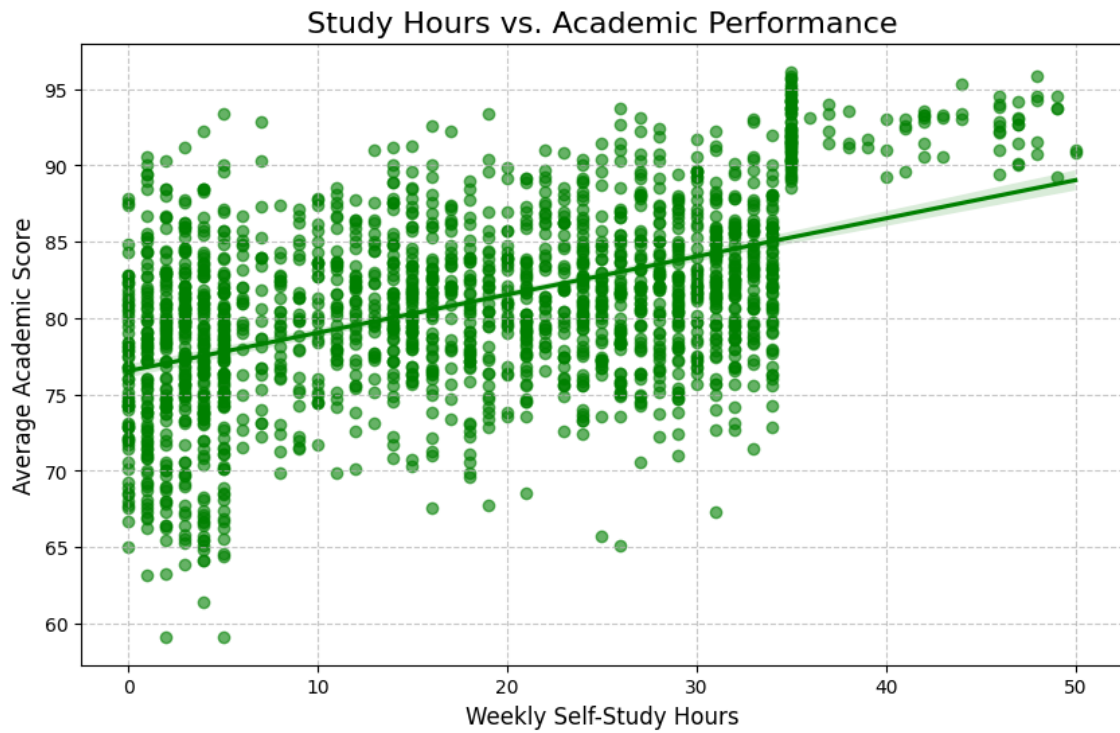


## 6. Study Hours vs. Academic Performance



Analysis:

- Academic performance improves with study hours but plateaus after 35 hours/week.
- A balanced study schedule of 20-35 hours per week is ideal.

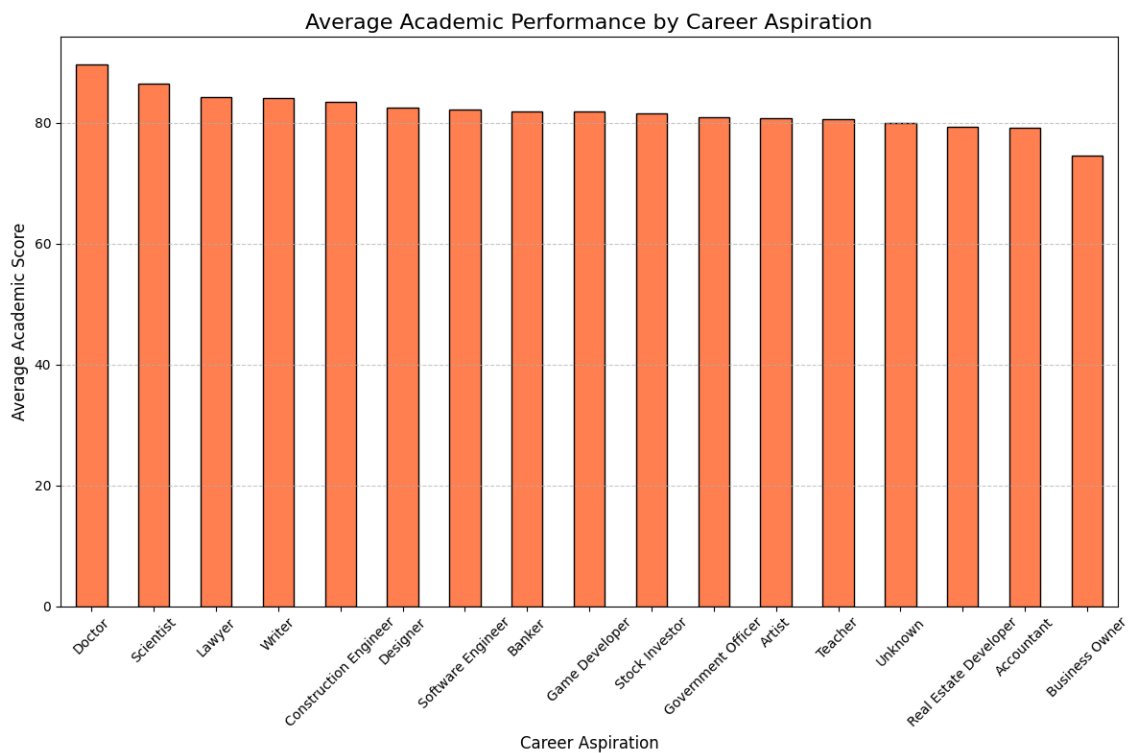


## 7. Career Performance Alignment



Analysis:

- Students aspiring to careers like Doctor and Scientist generally perform well academically.
- Students with 'Unknown' aspirations require additional guidance to align their strengths with career goals.

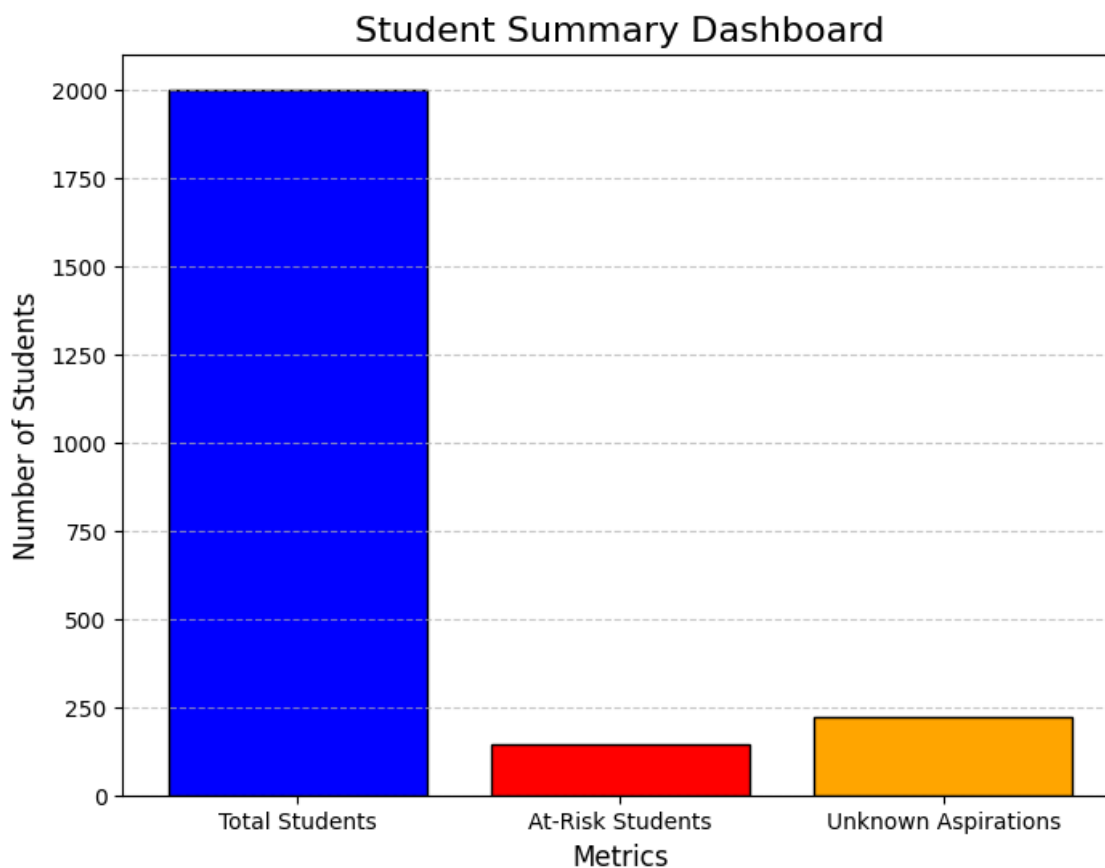


## 8. Student Dashboard: At-Risk Students



Analysis:

- At-risk students are identified based on high absenteeism (8+ days) or low academic performance (<60 average score).
- These students need targeted support to improve their outcomes.







## Key Takeaways and Recommendations

### 1. Career Guidance:

- Provide mentorship programs for students with 'Unknown' aspirations to help them identify career paths.

### 2. Academic Support:

- Focus on at-risk students with high absenteeism or low performance in key subjects.
- Encourage balanced study habits (20-35 hours/week) for optimal academic outcomes.

### 3. Extracurricular Participation:

- Promote participation in extracurricular activities to help students develop skills for creative and leadership roles.

### 4. Workshops:

- Organize career-specific workshops for popular aspirations like Software Engineering and Business Ownership.
- Include sessions on balancing work, study, and personal growth.

**Thank You!**

