

The dataset contains 28 responses with 25 columns, mixing numerical and categorical variables.

Below are a number of suggested exploratory data analysis (EDA) questions tailored to the variables and their types:

Numerical Variables (e.g., Age, high_school_grade, study_hours, sleeping_hours, mid_score, recommend_university):

1. What are the distribution patterns (mean, median, standard deviation) for each numerical variable?
 2. Are there outliers in variables like high_school_grade, study_hours, or sleeping_hours?
 3. Is there a correlation between study_hours and mid_score?
 4. How does Age vary with high_school_grade or GPA?
 5. What is the average university_satisfaction score by GPA?
 6. Are students with higher sleeping_hours reporting higher university satisfaction?
 7. What trends can be observed between mid_score and recommend_university?
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Categorical Variables (e.g., Gender, year, distance_to_uni, high_school_category, work):

1. What is the distribution of students across categories like Gender, year, and work status?
2. Are there significant differences in university_satisfaction across high_school_category?
3. Which category in distance_to_uni has the highest recommend_university scores?
4. What proportion of students are business owners versus employees?
5. How do Gender and work type influence university_satisfaction?
6. What are the most common concerns (top_concerns) raised by students?

7. Are there any patterns in recommend_bida based on high_school_category?
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Mixed Analysis (Numerical and Categorical Interplay):

1. Do students in different years (e.g., Third, Fourth) show differing patterns in high_school_grade or GPA?
 2. Is there a significant difference in mid_score by work status (e.g., employed vs. not employed)?
 3. How does distance_to_uni influence study_hours or sleeping_hours?
 4. Do male and female students report different satisfaction levels for university_satisfaction or bida_satisfaction?
 5. Are students in certain high_school_categories achieving higher mid_scores or GPAs?
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Practical Business Insights:

1. Which factors (e.g., distance_to_uni, year, study_hours) are most associated with higher university satisfaction?
2. What feedback can be derived from recommend_university and recommend_bida to improve services?
3. Are working students less satisfied compared to non-working students, and what interventions could address this?
4. Which groups of students (e.g., year, Gender) require more academic or personal support based on their GPA and satisfaction scores?