

Subject: Assistance with Enhancing Student Success and Selecting a Student Mentor

Dear Jones and Class Consulting,

I am reaching out to seek your expertise in improving student success at our university. We are facing challenges with students graduating with low GPAs and feeling unprepared for the workplace. Our goal is to enhance our educational approach to better support student achievement.

Objectives:

1. **Identify Success Predictors:** We would like to understand the factors that contribute to the success of our students. Specifically, we need to determine the best predictors of student success based on your analysis of the data we have provided.
2. **Student Mentor Selection:** We are hiring a freshman student for a mentor position. This student will be trained during their sophomore year and will serve as a mentor in their junior year. We need your help to identify which of the freshman candidates would be most likely to succeed in this role. In addition, please identify the 2nd and 3rd best candidates as alternatives in case our top choice does not accept the offer.

Data Provided:

- Survey responses from all current seniors including cumulative GPA.
- Survey responses from freshmen candidates without cumulative GPA

Specific Questions:

1. **Survey Analysis for Seniors:** Can you provide an overview of how current seniors performed on the surveys? Highlight any interesting insights that you find in the data.
2. **GPA Influencing Factors:** What are the most crucial factors influencing GPA based on the survey data? We are considering administering similar surveys to incoming freshmen to identify students who may need additional support. What indicators should we focus on to assess for potential success in our program?
3. **Recommendations for Mentor Position:** Create a regression model using important variables to predict the ideal candidate. From the list of freshman candidates provided, please recommend your top three choices for the student mentor position. Explain the rationale behind your recommendations and provide an estimated GPA for each candidate in the coming years.

4. **Survey Utility Evaluation:** Are there any elements of the surveys that do not appear to be useful? We aim to streamline the survey process to reduce student burden, so any recommendations for eliminating ineffective questions would be appreciated.
5. **Selection Program Presentation:** Could you create a 10-minute PowerPoint presentation outlining the steps to develop a successful selection program? Please use an example such as selecting employees for a company (e.g., Facebook engineers, NASA scientists, or university professors) to illustrate the process.

Thank you for your assistance. Your insights will be invaluable in helping us improve our educational strategies and selection processes.

Best regards,
Mary Marks

Here are some resources for writing results in APA format:

- 1) <https://www.statisticshowto.com/reporting-statistics-apa-style/>
- 2) http://ich.vscht.cz/~svozil/lectures/vscht/2015_2016/sad/APA_style2.pdf
- 3) https://owl.purdue.edu/owl/research_and_citation/apa_style/apa_formatting_and_style_guide/general_format.html

In total you are responsible for:

- A 1-2 page write up (one per group)
- Your R markdown code (each group member)
- A 10 minute PowerPoint presentation. Everyone should speak an equal amount during presentation.