Predicting College Success

You work in a university.

You want to determine the best predictor of success in college (as measured by College GPA). Your are considering three potential predictors:

- High School GPA

- SAT score (a national exam given to US high school students)

- Number of Advanced Placement courses (college-level courses taken by high school students)

You have data from 149 students who are seniors in college. Use the **college_seniors** dataset to see which potential predictor has the highest correlation with college GPA.

Predicting College Success (cont.)

You also have data for graduating high school seniors who have been accepted into your university and you want to predict their college GPA.

Use the **college_seniors** dataset to make a regression model using the best predictor of college GPA.

Use the coefficients calculated by your model to predict the college GPA of the students in the **incoming_students** dataset (you can manually type in the coefficients).

Finally, you want to share your findings with the Dean of your department, but she doesn't use SAS. In fact she rarely uses a computer (she prefers her iPad). Create a text file that has the results so that you can email them to her. Arrange the data in columns so it is easy to read.