

Due: 02/07/2025 23:59pm

There are data for $n = 224$ students. The response variable is the cumulative grade point average (GPA) after three semesters (Y_i , the response variable) and the following five potential predictors. ($p = 5$). Data is in your canvas lab 2.

- X_1 = High school math grades (HSM)
- X_2 = High school science grades (HSS)
- X_3 = High school English grades (HSE)
- X_4 = SAT Math (SATM)
- X_5 = SAT Verbal (SATV).

Analyze the data statistically, as it was shown and done in the case study in the lab. The case study example can be found in the book in chapter 11 the ninth edition. Follow the steps by starting with the descriptive statistics, correlations, analyze model reduction starting with high school grades model, the SAT score model, and the general linear test approach HS and Sat's model.