Special Problem 3A Are SAT Scores Linked?

The SAT data collected from a distance learning class For purposes of reading the table, the first student's SAT-math score was 680, and his/her SAT-verbal score was 780.

Task. Your assignment is to do whatever you need to investigate this data set and then write a brief article for the newspaper describing your findings and conclusions. Be sure to include in your article: a statement of the problem, the data, and any plots or graphs you construct. Be sure to discuss patterns and trends but also be sure to explain any deviations to the patterns. As part of the assignment, the education editor wants you to predict the Verbal SAT score if the Math SAT score is 670 and one for 800.

Mode. You may work on this assignment individually, or you may work with one partner (not more than one) in the class.

Report. Try to keep graphs and your commentaries about these graphs together on the same page, if possible, so the reader won't have to flip back and forth when reading your report. If you worked with a partner on this Special Problem, then both must contribute equally, and both names must appear on the article. When you write your article, assume that your readers will be reasonably intelligent, but they may not be as statistically literate as you. If you use any technical terms, you may want to briefly explain these terms as part of your story.

Grading. The score awarded for this Special Problem will depend on the quality of your analyses, the clarity of your explanations, the appropriateness of your conclusions, and whether you adhered to the general guidelines for Special Problems.

Deadline. Special Problem 3A is due on _____.

Table. *SAT -math and SAT-verbal data collected in class.*

SAT-math	SAT-verbal	SAT-math	SAT-verbal
680	780	570	500
450	570	600	510
440	550	700	680
610	500	720	770
730	720	650	800
530	570	670	660
700	600	800	590
640	530	800	800
740	800	570	580
650	740	590	600
580	550	610	680
520	590	580	640
620	580	690	600
700	740	660	580
640	560	620	670
710	660	750	560
700	730	610	610
580	610	540	500
520	480	500	470
600	650		