

STAT 530/J530 September 20th, 2005

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Homework 3

sat3.txt contains the educational data for each state: Part03 is the % of students taking the SAT in 2003; Verbal03, Math03, and Total03 are the state averages for the respective sections; and Expend01 is the per pupil educational spending in 2001.



- 1) Construct a graphical display to support the argument that more money is not associated with higher test scores.
- 2) Construct a graphical display to counter the argument in 1 by also taking the percentage of student in the state taking the exam into account.



- 3) Considering the three variables Part03, Total03, and Expend01 choose a method of detecting outliers that seems reasonable to you to identify any states you think are outliers and briefly explain your results.

