

Assignment 6

due Tuesday Oct. 16, 2007.

1. Solve exercise 2.98 on page 181.
2. Solve exercise 2.112 on page 188.
3. Solve exercise 2.106 on page 187.
4. Members of a high school language club believe that study of a foreign language improves a student's command of English. From school records, they obtain the scores on an English achievement test given to all seniors. The mean score of seniors who had studied a foreign language for at least two years is much higher than the mean score of seniors who studied no foreign language. The club's advisor says that these data are not good evidence that language study strengthens English skills. Identify the explanatory and response variables in this study. Then explain what lurking variable prevents the conclusion that language study improves students' English scores.

BONUS (5pt) Explore and solve exercise 2.114 which refers to the case study on the book's CD. The data can be found in the folder EESEE and to access the flash player just double click on the "eese.html" file. The data used is not on the CD (or at least I was not able to find it), but it is on the accompanying website. For your convenience this assignment contains the data file as well.