

Case: Sport

Story

This dataset contains the gold medal performances in the men's long jump, high jump and discus throw for the modern Olympic games from 1900 to 1984. Data are also provided for the 1896 Olympics, but one may wish to omit them from the analyses because that Olympics was quite different from later ones.

Variables

variable name	description
highjump	winning result in high jump
discusthrow	winning result in discus throw
longjump	winning result in long jump
year	year with reference at 1900

Exercise

1. Make appropriate plots for the different sport disciplines. Is there a tendency?
2. It has been suggested that the Mexico City Olympics in 1968 saw unusually good track and field performances, possibly because of the high altitude. To investigate this question we must establish some expected performance level. How would you do this?
3. Could you predict the winning result in long jump for the Olympic games in Greece 2004?
4. Save the results of your analysis in a text document (e.g. latex, word or star-office)

Hints