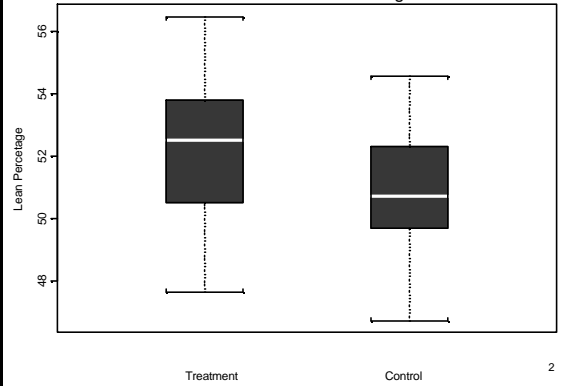


Boxplots

- See handout on five-number summary
- Example: need 11 or 15 volunteers who know how much sleep they got last night
- Boxplots are useful for comparing multiple distributions

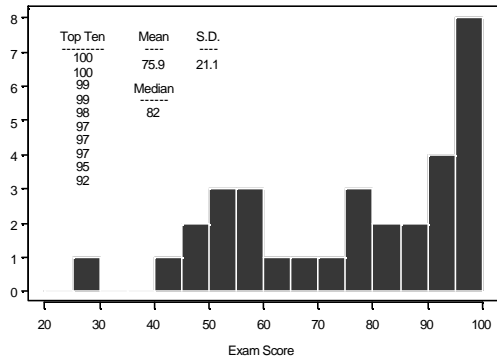
1

Side-by-Side Boxplots of the Lean Percentages of Control and Treated Hogs



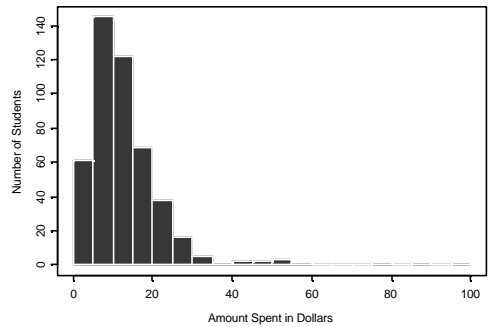
2

Histogram of Exam Scores

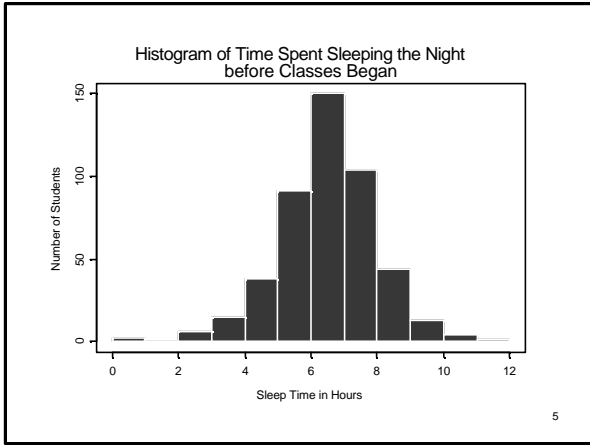


3

Histogram of Amount Spent on Most Recent Haircut



4



Match the Datasets to the Histograms

1. Number of menstrual cycles required to achieve pregnancy for a sample of women who attempted to get pregnant. These data were self-reported from memory. ("Conception--waits in fertile women after stopping oral contraceptive," *Int. J. Fertility*, **29** 73-80)
2. Numbers of medals won by countries in the 1992 Winter Olympics.
3. Last digit of each of 500 students' social security numbers.
4. Age at death of a sample of 45 persons.
5. The SAT scores of 500 students.
6. The heights in inches of 500 college students.

6

