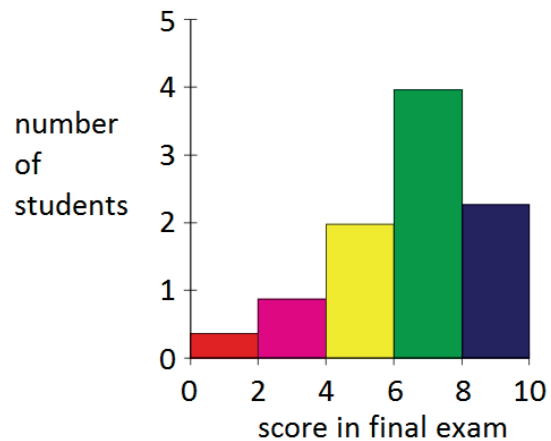


Chapter 13

STATISTICS

- 1) In Bombay there are 25.000 restaurants. We ask in 15 restaurants how many waiters work in the restaurant.
The answers are: 3, 5, 3, 1, 2, 6, 3, 4, 1, 3, 2, 4, 5, 2, 4.
- What is the population?
 - What is the sample?
 - What is the random variable?
 - Make a frequency table.
- 2) Give two examples of discrete qualitative random variables.
- 3) Give two examples of continuous qualitative random variables.

- 4) Make a frequency table for this histogram:



- 5) Go to http://www.youtube.com/user/LearningUpgrade#p/u/12/uydzT_WiRz4

Click on "Mean Median & Mode Math Learning Upgrade" and watch the video to learn the "song of mean, median and mode"

- 6) We measure the time it takes an antibiotic to cure patients. We repeat the experiment with ten different types of bacteria. The results (in hours) are: 47, 83, 53, 56, 53, 55, 61, 59, 64, 54.
- What is the mean?
 - What is the mode?
 - What is the median?
 - What is the range?
 - What is the variance?
 - What is the standard deviation?