Homework 1

Probability and Statistics

Requirement of homework

- Send soft copies (digital files) to the following email address: 25b358009@stu.hit.edu.cn
- Write homework by yourself. You may discuss with others.

Population and sample

- 1.8 Define a population. Give an example of a population.
- 1.9 Explain the difference between a census and a sample.

Graphically summarizing quantitative data

2.16 Consider the data on the right

a Find the number of classes needed to construct a histogram.

b Find the class length.

c Define nonoverlapping classes for a frequency distribution.

d Tally the number of values in each class and develop a frequency distribution.

e Draw a frequency histogram for these data.

f Develop a percent frequency distribution.

36	46	40	38
39	40	38	38
36	42	33	34
35	34	37	37
36	41	22	17
20	36	33	25
19	42	28	38