1. cases (individuals, experimental unit), variables

2. types of variables
   (a) categorical, quantitative
   (b) discrete, continuous

3. histogram

4. Density histogram

5. boxplot
   median, quartiles (hinges), extreme values, five-number summary

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> dimes=read.csv("http://www.calvin.edu/~stob/data/dimes.csv")
> hist(dimes$Mass,main="",xlab="Mass")
> hist(dimes$Mass,main="",xlab="Mass",freq=F)
> boxplot(dimes$Mass,main="Mass",horizontal=T)

**Homework**

1. Read the syllabus and be sure that you understand all the course policies. In particular, be very clear that you understand the homework policies.

2. Visit the course website and familiarize yourself with the resources there.

3. Install R on the computer that you will be using in this course. You should definitely do this before the next class so that you can ask questions if you have issues with the installation. Instructions for installing R are on the course website.

4. Read pages 3–8, 11–18, 82–85 in Devore and Farnum.

5. You may want to read pages 3, 4, 14–16, 32–33 in SimpleR(available on course webpage).

6. Do problems 1.2.16 and 2.3.36. These are due on Thursday, September 16, but should be started well before that. In particular, you will need to use R for each problem.