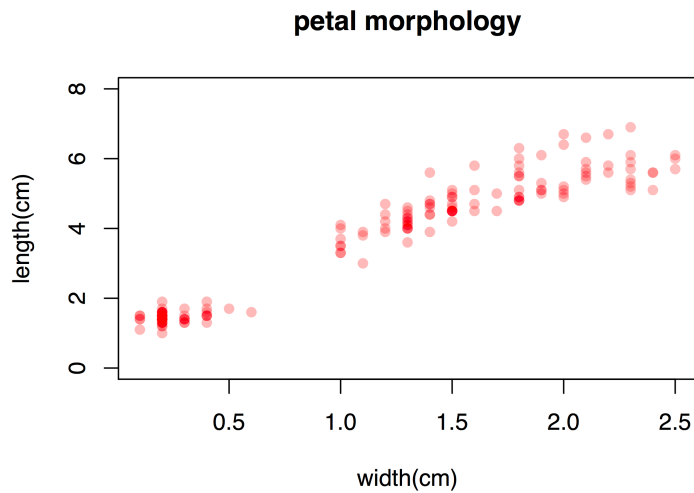
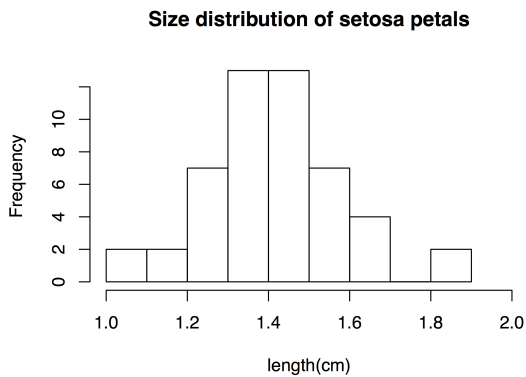


- 1) Create an R script to complete the following tasks.
- 2) Load the iris dataset included with base R.
- 3) Recreate this graph:



- 4) Plot a histogram of the petal length for the species setosa:



- 5) Use the **pnorm** function to calculate the probability of sampling the value 37 from a normal distribution with a mean of 36 and a standard deviation of 0.5.
- 6) Use the **rnorm** function to calculate this probability empirically.