**4.39:**

> t.test(iris$Sepal.Width[c(1:50)]);

One Sample t-test

data: iris$Sepal.Width[c(1:50)]

t = 63.946, df = 49, p-value < 2.2e-16

alternative hypothesis: true mean is not equal to 0

95 percent confidence interval:

3.320271 3.535729

sample estimates:

mean of x

3.428

> t.test(iris$Sepal.Width[c(51:100)]);

One Sample t-test

data: iris$Sepal.Width[c(51:100)]

t = 62.419, df = 49, p-value < 2.2e-16

alternative hypothesis: true mean is not equal to 0

95 percent confidence interval:

2.68082 2.85918

sample estimates:

mean of x

2.77

> t.test(iris$Sepal.Width[c(101:150)]);

One Sample t-test

data: iris$Sepal.Width[c(101:150)]

t = 65.208, df = 49, p-value < 2.2e-16

alternative hypothesis: true mean is not equal to 0

95 percent confidence interval:

2.882347 3.065653

sample estimates:

mean of x

2.974

**4.40:**

> t.test(iris$Sepal.Length[c(1:50)]);

One Sample t-test

data: iris$Sepal.Length[c(1:50)]

t = 100.42, df = 49, p-value < 2.2e-16

alternative hypothesis: true mean is not equal to 0

95 percent confidence interval:

4.905824 5.106176

sample estimates:

mean of x

5.006

> t.test(iris$Sepal.Length[c(51:100)]);

One Sample t-test

data: iris$Sepal.Length[c(51:100)]

t = 81.318, df = 49, p-value < 2.2e-16

alternative hypothesis: true mean is not equal to 0

95 percent confidence interval:

5.789306 6.082694

sample estimates:

mean of x

5.936

> t.test(iris$Sepal.Length[c(101:150)]);

One Sample t-test

data: iris$Sepal.Length[c(101:150)]

t = 73.259, df = 49, p-value < 2.2e-16

alternative hypothesis: true mean is not equal to 0

95 percent confidence interval:

6.407285 6.768715

sample estimates:

mean of x

6.588