

Assignment #12 contains a few textbook problems from Chapter and 12 and some associated R problems.

1. Do Exercise 12.9.
2. Use R to find the least squares regression line for the data in Exercise 12.9. Here is the sample code that will do this.

```
> bullfrog = read.table("ex12-9.txt", header = T)
> attach(bullfrog)
> fit = lm(jump ~ length)
> summary(fit)
```

...

Coefficients:

	Estimate	Std. Error	t value	Pr(> t)
(Intercept)	51.7416	59.5828	0.868	0.408
length	0.3492	0.3965	0.881	0.401

Residual standard error: 18.15 on 9 degrees of freedom

Multiple R-Squared: 0.07933, Adjusted R-squared: -0.02296

F-statistic: 0.7755 on 1 and 9 DF, p-value: 0.4014

3. Construct a 95% confidence interval for the slope of the regression line in the previous two exercises.
4. Exercise 12.17.
5. Exercise 12.31.
6. Exercise 12.41.