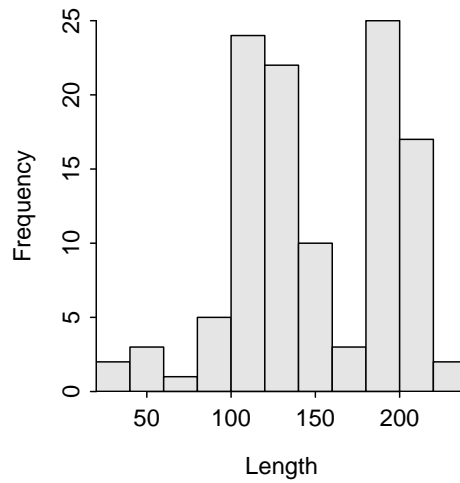


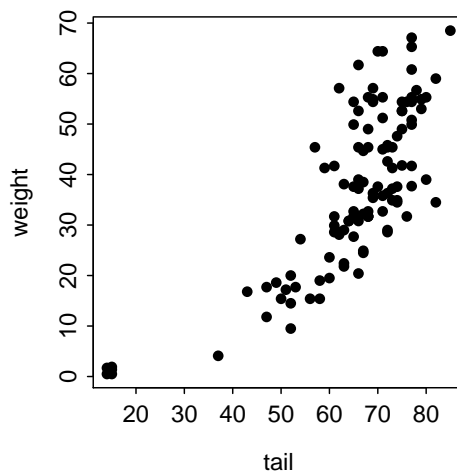
Final Exam Key – Panther

n	mean	sd	min	Q1	median	Q3	max
114.000	149.658	45.956	30.000	117.000	139.500	192.750	238.000



sex	
Female	Male
40.4	59.6

The correlation is 0.772



```
(Intercept)      tail
  4.7593879    0.4762164
The predicted value at a median of 68 is 37.142
The residual is 25 - 28.57 = -3.57
The r-squared value is 0.658
```

	sex	
set	Female	Male
Model	32	47
Validation	14	21

	sex	
set	Female	Male
Model	31.87719	47.12281
Validation	14.12281	20.87719

Pearson's Chi-squared test with xtabs(~set + sex, data = df)
X-squared = 0.0026, df = 1, p-value = 0.9595

Levene's Test for Homogeneity of Variance (center = median)

	Df	F value	Pr(>F)
group	1	0.4312	0.5127
	112		

Two Sample t-test with length by sex
t = -1.87, df = 112, p-value = 0.03205
alternative hypothesis: true difference in means is less than 0
95 percent confidence interval:
-Inf -1.834704
sample estimates:
mean in group Female mean in group Male
139.9783 156.2059