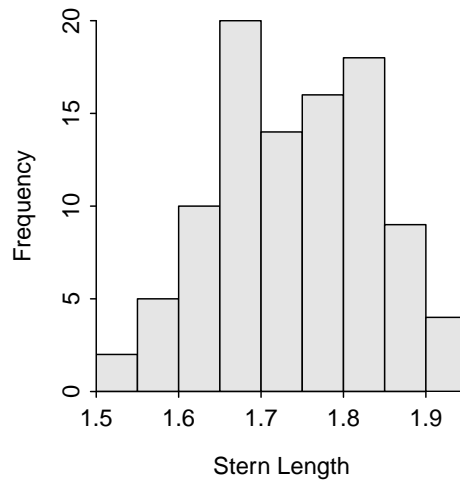


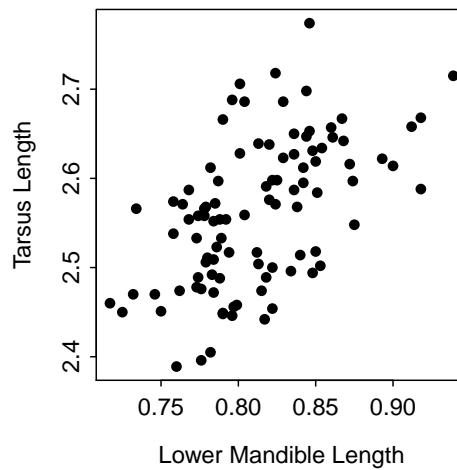
## Final Exam Key – LaysanFinch

n	mean	sd	min	Q1	median	Q3	max
98.000	1.741	0.096	1.500	1.665	1.738	1.816	1.942



A	B	C
29.6	34.7	35.7

The correlation is 0.545



```
(Intercept)      bklen
-9.339821    32.797342
The predicted value at a median of 1.268 is 32.264
The residual is 25 - 30.017 = -5.017
The r-squared value is 0.333
```

	A	B	C
female	19	10	14
male	10	24	21

	A	B	C
female	12.72449	14.91837	15.35714
male	16.27551	19.08163	19.64286

Pearson's Chi-squared test with table(lf\$sex, lf\$loc)  
X-squared = 8.6176, df = 2, p-value = 0.01345

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

	Df	F value	Pr(>F)
group	1	0.5267	0.4698
	96		

Two Sample t-test with stern by sex  
t = -12.5358, df = 96, p-value < 2.2e-16  
alternative hypothesis: true difference in means is not equal to 0  
95 percent confidence interval:  
-0.1763501 -0.1281362  
sample estimates:  
mean in group female      mean in group male  
1.655302                      1.807545