Final Exam Key – Loon1

```
        n      mean        sd       min        Q1    median        Q3       max
  101.000  4744.208  1065.724  1900.000  4140.000  4775.000  5600.000  6700.000
```
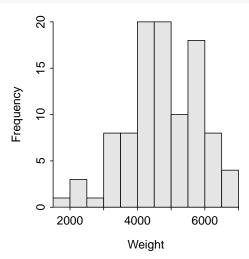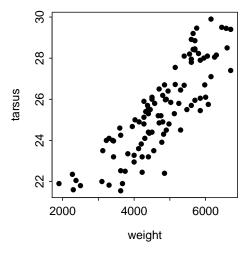


```
    Canada NewEngland    USOther
      15.8       56.4       27.7
```

```
The correlation is 0.85
```



```
(Intercept)    bill.len
 -5313.7049    117.7523
The predicted value at a median of 86.5 is 4871.87
The residual is 3000 - 4106.48 = -1106.48
The r-squared value is 0.392
```

```
        Canada NewEngland USOther
Female      7          25        5
Male        9          31        7


          Canada NewEngland  USOther
Female 7.047619    24.66667 5.285714
Male   8.952381    31.33333 6.714286
```

```
Pearson's Chi-squared test with table(cl1$sex, cl1$reg)
X-squared = 0.0362, df = 2, p-value = 0.982
```

```
Levene's Test for Homogeneity of Variance (center = median)
      Df F value Pr(>F)
group  1  1.1343   0.29
      82
```

```
 Two Sample t-test with weight by sex
t = -7.1737, df = 82, p-value = 2.947e-10
alternative hypothesis: true difference in means is not equal to 0
95 percent confidence interval:
 -1419.860  -803.349
sample estimates:
mean in group Female    mean in group Male
          4384.459              5496.064
```