```r
{r}
fishModel <- aov(data = fishManyBays, num_fish ~ bay)
summary(fishModel)
```

F-stat

P-value

k-1

```
                Df  Sum Sq  Mean Sq  F value  Pr(>F)
bay              5    1094   218.71    64.88   <2e-16 ***
Residuals     1914    6452     3.37
---
Signif. codes:  0 '***' 0.001 '**' 0.01 '*' 0.05 '.' 0.1 ' ' 1
```

< .001

observations (1920)

levels of bays (6)

Differences between observed values and values predicted by model

25% below *75% below*

```
Call:
lm(formula = hairgrass_density_per_m2 ~ n_content, data = hairgrass)

Residuals:
     Min      1Q   Median      3Q     Max
-2.82079 -0.55590 -0.02612 0.57654 2.51032

Coefficients:
            Estimate Std. Error t value Pr(>|t|)
(Intercept) 0.86739    0.37000   2.344   0.0195 *
n_content   0.66223    0.03707  17.862   <2e-16 ***
---
Signif. codes:  0 '***' 0.001 '**' 0.01 '*' 0.05 '.' 0.1 ' ' 1

Residual standard error: 0.8294 on 478 degrees of freedom
Multiple R-squared:  0.4003,    Adjusted R-squared:  0.399
F-statistic: 319.1 on 1 and 478 DF,  p-value: < 2.2e-16
```

Y-intercept

p-value for Intercept

p-value for Slope

F-stat

Slope