Somewhat traditional ANOVA table (compare group means to overall mean)

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Source | DF | Sums of Squares | Mean Squares | F | p-value |
| Groups | I-1 |  | MSGroups = |  | F(I-1, n-I) |
| Error | n-I |  | MSError = |
| Total | n-1 |  |  |  |  |

Regression ANOVA table (compare model predictions to horizontal line)

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Source | DF | Sums of Squares | Mean Squares | F | p-value |
| Model | *p*-1 |  | MSModel = |  | F(*p*-1, *n* - *p*) |
| Error | n-*p* |  | MSError = |
| Total | n-1 |  |  |  |  |

*p* is the number of estimated terms (e.g., slope and intercept)