

Example illustrating how order matters for the coefficients and anova table

```
> Full <- lm(HeadCirc~Height+Male+RtArm, data=Caps)
> summary(Full)
Coefficients:
              Estimate Std. Error t value Pr(>|t|)
(Intercept)  43.1582     5.2866   8.164 1.07e-10 ***
Height       0.2373     0.1036   2.290 0.0264 *
Male         1.4108     0.6686   2.110 0.0400 *
RtArm       -0.1226     0.1716  -0.715 0.4782

Residual standard error: 1.721 on 49 degrees of freedom
Multiple R-squared: 0.4141, Adjusted R-squared: 0.3783
F-statistic: 11.55 on 3 and 49 DF, p-value: 7.667e-06

Analysis of Variance Table

              Df  Sum Sq Mean Sq F value    Pr(>F)
Height       1   87.674   87.674 29.6126 1.674e-06 ***
Male         1   13.369   13.369  4.5154 0.03866 *
RtArm        1    1.512    1.512  0.5107 0.47825
Residuals   49 145.074    2.961
```

```
lm(formula = HeadCirc ~ RtArm + Height + Male, data = Caps)
Coefficients:
              Estimate Std. Error t value Pr(>|t|)
(Intercept)  43.1582     5.2866   8.164 1.07e-10 ***
RtArm       -0.1226     0.1716  -0.715 0.4782
Height       0.2373     0.1036   2.290 0.0264 *
Male         1.4108     0.6686   2.110 0.0400 *

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> anova(NewFull)
Analysis of Variance Table

              Df  Sum Sq Mean Sq F value    Pr(>F)
RtArm        1   37.479   37.479 12.659 0.0008412 ***
Height       1   51.894   51.894 17.528 0.0001173 ***
Male         1   13.181   13.181  4.452 0.0399913 *
Residuals   49 145.074    2.961
```