

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
```