|  |
| --- |
| > lm( Taste ~ Acetic + H2S + Lactic, data = Cheeses )  Call:  lm(formula = Taste ~ Acetic + H2S + Lactic, data = Cheeses)  Coefficients:  (Intercept) Acetic H2S Lactic  -28.8768 0.3277 3.9118 19.6705 |

We can check if all three explanatory variables are important in the fitted model by looking at the Student’s *t* values for each of the slope coefficients.

|  |
| --- |
| *…*  Coefficients:  Estimate Std. Error t value Pr(>|t|)  (Intercept) -28.8768 19.7354 -1.463 0.15540  Acetic 0.3277 4.4598 0.073 0.94198  H2S 3.9118 1.2484 3.133 0.00425 \*\*  Lactic 19.6705 8.6291 2.280 0.03108 \*  ---  Signif. codes: 0 ‘\*\*\*’ 0.001 ‘\*\*’ 0.01 ‘\*’ 0.05 ‘.’ 0.1 ‘ ’ 1  Residual standard error: 10.13 on 26 degrees of freedom  Multiple R-squared: 0.6518, Adjusted R-squared: 0.6116  F-statistic: 16.22 on 3 and 26 DF, p-value: 3.81e-06 |