## Regression only with numeric variables

lm(formula = swords_new$price ~ swords_new$blade_length + swords_new$weigh +
   swords_new$blade_overall)

Residuals:
```
  Min    1Q Median   3Q   Max
-579.2 -269.4 -63.6  302.2  877.9
```

Coefficients:

|  | Estimate | Std. Error | t value | Pr(>\|t\|) |  |
|---|---|---|---|---|---|
| (Intercept) | 780.638 | 526.149 | 1.484 | 0.1414 |  |
| swords_new$blade_length | 36.652 | 8.174 | 4.484 | 2.18e-05 | *** |
| swords_new$weigh | -115.852 | 61.545 | -1.882 | 0.0631 | . |
| swords_new$blade_overall | -1068.043 | 760.409 | -1.405 | 0.1636 |  |

---
Signif. codes:  0 '***' 0.001 '**' 0.01 '*' 0.05 '.' 0.1 ' ' 1

Residual standard error: 361.1 on 89 degrees of freedom
Multiple R-squared: 0.2323,    Adjusted R-squared: 0.2064
F-statistic: 8.977 on 3 and 89 DF,  p-value: 2.946e-05

## Regression with numeric and categorical variables

lm(formula = swords_new$price ~ swords_new$blade_length + swords_new$weigh +
   swords_new$blade_overall + swords_new$blade_steel + swords_new$katana)

Residuals:
```
   Min    1Q Median   3Q   Max
-342.32 -190.58 -50.96 120.86 844.83
```

Coefficients:

|  | Estimate | Std. Error | t value | Pr(>\|t\|) |  |
|---|---|---|---|---|---|
| (Intercept) | -323.602 | 418.482 | -0.773 | 0.44146 |  |
| swords_new$blade_length | 19.905 | 6.541 | 3.043 | 0.00310 | ** |
| swords_new$weigh | -37.572 | 48.042 | -0.782 | 0.43630 |  |
| swords_new$blade_overall | -30.961 | 635.203 | -0.049 | 0.96124 |  |
| swords_new$blade_steel | 476.013 | 57.035 | 8.346 | 9.77e-13 | *** |
| swords_new$katana | -247.185 | 88.667 | -2.788 | 0.00652 | ** |

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Signif. codes:  0 '***' 0.001 '**' 0.01 '*' 0.05 '.' 0.1 ' ' 1

Residual standard error: 272.1 on 87 degrees of freedom
Multiple R-squared: 0.574,    Adjusted R-squared: 0.5495
F-statistic: 23.44 on 5 and 87 DF,  p-value: 7.605e-15