

Regression App

Erik Hirschfeld

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The Regression App

The regression app let's you build a model for miles per gallon from the mtcars dataset.

You can select the predictor variables and a new model is calculated with the selected predictors.

Results

The results are the model summary and in addition to the model summary also diagnostic plots for the regression are displayed.

Result 1: Model Results

The model summary is directly displayed in the browser:

```
##
## Call:
## lm(formula = mpg ~ hp + wt, data = dta)
##
## Residuals:
##      Min       1Q   Median       3Q      Max
## -3.941 -1.600 -0.182  1.050  5.854
##
## Coefficients:
##              Estimate Std. Error t value Pr(>|t|)
## (Intercept)  37.22727     1.59879   23.285 < 2e-16 ***
## hp           -0.03177     0.00903   -3.519  0.00145 **
## wt           -3.87783     0.63273   -6.129  1.12e-06 ***
## ---
## Signif. codes:  0 '***' 0.001 '**' 0.01 '*' 0.05 '.' 0.1 ' ' 1
##
## Residual standard error: 2.593 on 29 degrees of freedom
## Multiple R-squared:  0.8268, Adjusted R-squared:  0.8148
## F-statistic: 69.21 on 2 and 29 DF,  p-value: 9.109e-12
```

Result 2: Diagnostic plots

To check the uploaded data the data summary will be displayed:

