Demo report with Regression Tables

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10/22/2017

# mpg models

require(dplyr)  
require(texreg)  
require(captioner)

table\_nums <- captioner(prefix = "Table")  
tbl1\_cap <- table\_nums("mpg\_models", "OLS regression for mileage")  
knitr::kable(tibble(x=1, y=2), caption=tbl1\_cap)

Table 1: OLS regression for mileage

|  |  |  |
| --- | --- | --- |
|  | **Model 1** | **Model 2** |
| (Intercept) | 37.29\*\*\* | 39.69\*\*\* |
|  | (1.88) | (1.71) |
| wt | -5.34\*\*\* | -3.19\*\*\* |
|  | (0.56) | (0.76) |
| cyl |  | -1.51\*\* |
|  |  | (0.41) |
| R2 | 0.75 | 0.83 |
| Adj. R2 | 0.74 | 0.82 |
| Num. obs. | 32 | 32 |
| RMSE | 3.05 | 2.57 |
| \*\*\*p < 0.001, \*\*p < 0.01, \*p < 0.05 | | |

htmlreg(list(lm(mpg ~ wt, data=mtcars),   
 lm(mpg ~ wt + cyl, data=mtcars)),   
 file=file.path(tab\_path, paste0(tbl1\_cap, ".html")),  
 doctype = TRUE, html.tag = TRUE,   
 caption = "",   
 caption.above = TRUE)

## The table was written to the file 'tabs/Table 1: OLS regression for mileage.html'.

We are interested in modeling mpg for our first two models and Table 1 shows the results.

# hp models

tbl2\_cap <- table\_nums("hp\_models", "OLS regression for horse power")  
knitr::kable(tibble(x=1, y=2), caption=tbl2\_cap)

Table 2: OLS regression for horse power

|  |  |  |
| --- | --- | --- |
|  | **Model 1** | **Model 2** |
| (Intercept) | 37.29\*\*\* | 39.69\*\*\* |
|  | (1.88) | (1.71) |
| wt | -5.34\*\*\* | -3.19\*\*\* |
|  | (0.56) | (0.76) |
| cyl |  | -1.51\*\* |
|  |  | (0.41) |
| R2 | 0.75 | 0.83 |
| Adj. R2 | 0.74 | 0.82 |
| Num. obs. | 32 | 32 |
| RMSE | 3.05 | 2.57 |
| \*\*\*p < 0.001, \*\*p < 0.01, \*p < 0.05 | | |

htmlreg(list(lm(hp ~ wt, data=mtcars),   
 lm(hp ~ wt + cyl, data=mtcars)),   
 file=file.path(tab\_path, paste0(tbl2\_cap, ".html")),  
 doctype = TRUE, html.tag = TRUE,   
 caption = "",   
 caption.above = TRUE)

## The table was written to the file 'tabs/Table 2: OLS regression for horse power.html'.

We are interested in modeling hp for our last two models and Table 2 shows the results.