600\_01\_Quarto

TK

# mtCars

## Correlation for number of cylinder 4 and for vs: 0!

Correlation between drat and wt:

library(ggplot2)  
library(tidyverse)  
  
mtcars %>%  
 filter(cyl == params$cyl) %>%  
ggplot(aes(drat, wt)) +   
 geom\_point() +   
 geom\_smooth(method = "loess")

|  |
| --- |
| Figure 1 |

## Table

correl <- cor(mtcars$wt, mtcars$drat)

The correlation between wt and drat is for vs -0.7124406.

And the table between *cyl* and *drat*:

df <- mtcars %>%  
 filter (vs == params$vs)   
  
table(df$cyl, df$drat)

2.76 2.93 3 3.07 3.08 3.15 3.21 3.23 3.54 3.62 3.73 3.9 4.22 4.43  
 4 0 0 0 0 0 0 0 0 0 0 0 0 0 1  
 6 0 0 0 0 0 0 0 0 0 1 0 2 0 0  
 8 1 1 1 3 1 2 1 1 1 0 1 0 1 0

## Adding additional table with gt()

# install.packages("gt")  
library(gt)  
  
mtcars %>%  
 head(5) %>%   
 gt()

| mpg | cyl | disp | hp | drat | wt | qsec | vs | am | gear | carb |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 21.0 | 6 | 160 | 110 | 3.90 | 2.620 | 16.46 | 0 | 1 | 4 | 4 |
| 21.0 | 6 | 160 | 110 | 3.90 | 2.875 | 17.02 | 0 | 1 | 4 | 4 |
| 22.8 | 4 | 108 | 93 | 3.85 | 2.320 | 18.61 | 1 | 1 | 4 | 1 |
| 21.4 | 6 | 258 | 110 | 3.08 | 3.215 | 19.44 | 1 | 0 | 3 | 1 |
| 18.7 | 8 | 360 | 175 | 3.15 | 3.440 | 17.02 | 0 | 0 | 3 | 2 |

table\_1 <- mtcars %>%  
 head(5) %>%   
 gt()  
  
  
print(table\_1)

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 -moz-osx-font-smoothing: grayscale;  
}  
  
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 border-left-color: #D3D3D3;  
 border-right-style: none;  
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 overflow-x: hidden;  
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 padding-right: 5px;  
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 <th class="gt\_col\_heading gt\_columns\_bottom\_border gt\_right" rowspan="1" colspan="1" scope="col" id="disp">disp</th>  
 <th class="gt\_col\_heading gt\_columns\_bottom\_border gt\_right" rowspan="1" colspan="1" scope="col" id="hp">hp</th>  
 <th class="gt\_col\_heading gt\_columns\_bottom\_border gt\_right" rowspan="1" colspan="1" scope="col" id="drat">drat</th>  
 <th class="gt\_col\_heading gt\_columns\_bottom\_border gt\_right" rowspan="1" colspan="1" scope="col" id="wt">wt</th>  
 <th class="gt\_col\_heading gt\_columns\_bottom\_border gt\_right" rowspan="1" colspan="1" scope="col" id="qsec">qsec</th>  
 <th class="gt\_col\_heading gt\_columns\_bottom\_border gt\_right" rowspan="1" colspan="1" scope="col" id="vs">vs</th>  
 <th class="gt\_col\_heading gt\_columns\_bottom\_border gt\_right" rowspan="1" colspan="1" scope="col" id="am">am</th>  
 <th class="gt\_col\_heading gt\_columns\_bottom\_border gt\_right" rowspan="1" colspan="1" scope="col" id="gear">gear</th>  
 <th class="gt\_col\_heading gt\_columns\_bottom\_border gt\_right" rowspan="1" colspan="1" scope="col" id="carb">carb</th>  
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<td headers="qsec" class="gt\_row gt\_right">18.61</td>  
<td headers="vs" class="gt\_row gt\_right">1</td>  
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<td headers="gear" class="gt\_row gt\_right">3</td>  
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