# testing performance package

#### Ben Anderson

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#### Performance package

https://easystats.github.io/performance/

```
knitr::opts_chunk$set(echo = TRUE)
library(performance)
mtcars <- mtcars</pre>
```

Use some mtcars data

```
summary(mtcars)
```

```
##
                          cyl
                                           disp
                                                             hp
         mpg
##
           :10.40
                            :4.000
                                                              : 52.0
   Min.
                                      Min.
                                            : 71.1
                                                       Min.
                     Min.
    1st Qu.:15.43
                     1st Qu.:4.000
                                      1st Qu.:120.8
                                                       1st Qu.: 96.5
   Median :19.20
                     Median :6.000
                                      Median :196.3
##
                                                       Median :123.0
                                             :230.7
           :20.09
##
    Mean
                     Mean
                            :6.188
                                      Mean
                                                       Mean
                                                              :146.7
##
    3rd Qu.:22.80
                     3rd Qu.:8.000
                                      3rd Qu.:326.0
                                                       3rd Qu.:180.0
##
    Max.
           :33.90
                     Max.
                            :8.000
                                      Max.
                                             :472.0
                                                       Max.
                                                               :335.0
##
         drat
                           wt
                                           qsec
                                                             vs
##
           :2.760
                            :1.513
                                              :14.50
                                                               :0.0000
   Min.
                     Min.
                                      Min.
                                                       Min.
   1st Qu.:3.080
                     1st Qu.:2.581
                                      1st Qu.:16.89
                                                       1st Qu.:0.0000
   Median :3.695
                     Median :3.325
                                      Median :17.71
                                                       Median :0.0000
##
    Mean
           :3.597
                             :3.217
                                      Mean
                                              :17.85
                                                       Mean
                                                               :0.4375
##
    3rd Qu.:3.920
                     3rd Qu.:3.610
                                      3rd Qu.:18.90
                                                       3rd Qu.:1.0000
##
    Max.
           :4.930
                            :5.424
                                              :22.90
                                                               :1.0000
##
                           gear
                                            carb
          am
    Min.
           :0.0000
                      Min.
                             :3.000
                                       Min.
                                              :1.000
##
    1st Qu.:0.0000
                      1st Qu.:3.000
                                       1st Qu.:2.000
   Median :0.0000
                      Median :4.000
                                       Median :2.000
##
           :0.4062
                             :3.688
                                              :2.812
   Mean
                      Mean
                                       Mean
    3rd Qu.:1.0000
                      3rd Qu.:4.000
                                       3rd Qu.:4.000
##
    Max.
           :1.0000
                             :5.000
                                              :8.000
                      Max.
                                       Max.
```

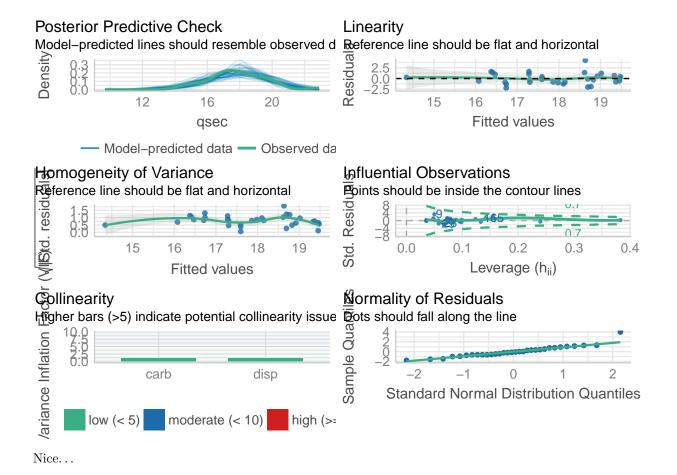
## Make a model, any model

For example:

```
qsecModel <- lm(formula = qsec ~ carb + disp, data = mtcars)</pre>
qsecModel
##
## Call:
## lm(formula = qsec ~ carb + disp, data = mtcars)
##
## Coefficients:
## (Intercept)
                                  disp
                     carb
    20.324369
                -0.635684
                             -0.002981
summary(qsecModel)
##
## Call:
## lm(formula = qsec ~ carb + disp, data = mtcars)
## Residuals:
               1Q Median
      Min
                              3Q
                                    Max
## -2.2353 -0.8452 -0.1437 0.7470 4.2667
##
## Coefficients:
              Estimate Std. Error t value Pr(>|t|)
## (Intercept) 20.324369  0.575126  35.339  < 2e-16 ***
             ## carb
              -0.002981
                         0.002128 -1.401 0.171917
## disp
## ---
## Signif. codes: 0 '*** 0.001 '** 0.01 '* 0.05 '.' 0.1 ' 1
##
## Residual standard error: 1.349 on 29 degrees of freedom
## Multiple R-squared: 0.4667, Adjusted R-squared:
## F-statistic: 12.69 on 2 and 29 DF, p-value: 0.0001098
```

## Check model performance

```
performance::check_model(qsecModel)
```



### The end