Super Cool Cars Report Of Horsepower by Displacement and Cylanders

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Intro

3rd Qu.:8.000

:8.000

Max.

3rd Qu.:326.0

:472.0

Max.

The purpose of this script is to show how you can make loops in R Markdown, both within the markdown document and in a main script.

```
## Rows: 32 Columns: 3
## -- Column specification ------
## Delimiter: ","
## dbl (3): category_cyl, xval_disp, yval_hp
## i Use 'spec()' to retrieve the full column specification for this data.
## i Specify the column types or set 'show_col_types = FALSE' to quiet this message.
## # A tibble: 6 x 3
    category_cyl xval_disp yval_hp
##
           <dbl>
                    <dbl>
                            <dbl>
## 1
              6
                      160
                              110
               6
                      160
                              110
## 2
## 3
               4
                      108
                               93
               6
## 4
                      258
                              110
## 5
                      360
                              175
## 6
                      225
                              105
##
    category_cyl
                    xval_disp
                                    yval_hp
          :4.000
                         : 71.1
                                  Min. : 52.0
  1st Qu.:4.000
                  1st Qu.:120.8
                                  1st Qu.: 96.5
## Median :6.000
                  Median :196.3
                                  Median :123.0
## Mean
          :6.188
                  Mean
                         :230.7
                                  Mean
                                        :146.7
```

3rd Qu.:180.0

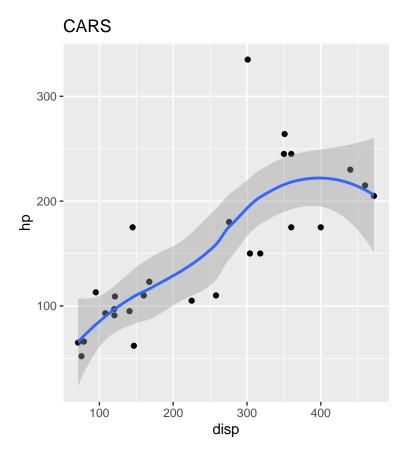
:335.0

Max.

High Level Report

You can print a high level report of all your data, which is fine for a first order analysis or users who don't need to be restricted.

'geom_smooth()' using method = 'loess' and formula 'y ~ x'



And that's neat, but we might want to create individual pages that are specific to an individual category. To do this, we use the package "gluedown".

"Gluedown" is a small set of thoughtful wrappers around the tidyverse package "glue" that will put them in markdown format for you. By using "gluedown" and the chunk setting "results = 'asis', instead of printing consol-ey code output the output will be nicely formatted markdown text.

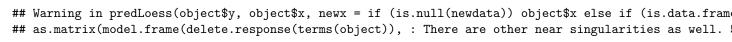
CARS: categorycyl = 6

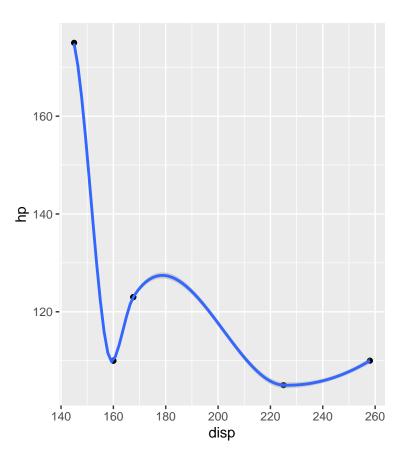
'geom_smooth()' using method = 'loess' and formula 'y ~ x'

```
## Warning in simpleLoess(y, x, w, span, degree = degree, parametric = parametric, : pseudoinverse used
## Warning in simpleLoess(y, x, w, span, degree = degree, parametric = parametric, : neighborhood radiu
## Warning in simpleLoess(y, x, w, span, degree = degree, parametric = parametric, : reciprocal conditi
## Warning in simpleLoess(y, x, w, span, degree = degree, parametric = parametric, : There are other ne
## Warning in predLoess(object$y, object$x, newx = if (is.null(newdata)) object$x else if (is.data.fram
## as.matrix(model.frame(delete.response(terms(object)), : pseudoinverse used at 144.44

## Warning in predLoess(object$y, object$x, newx = if (is.null(newdata)) object$x else if (is.data.fram
## as.matrix(model.frame(delete.response(terms(object)), : neighborhood radius 23.165

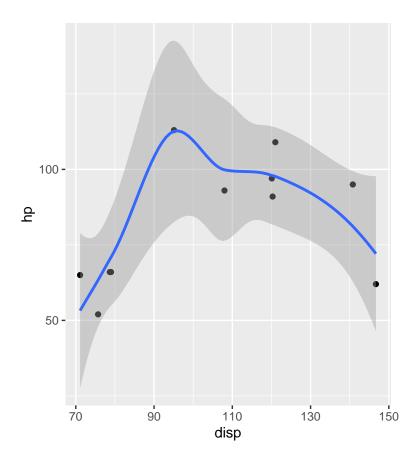
## Warning in predLoess(object$y, object$x, newx = if (is.null(newdata)) object$x else if (is.data.fram
## as.matrix(model.frame(delete.response(terms(object)), : reciprocal condition number 4.8226e-017
```





CARS: categorycyl = 4

'geom_smooth()' using method = 'loess' and formula 'y ~ x'



CARS: categorycyl = 8

'geom_smooth()' using method = 'loess' and formula 'y ~ x'

