The Default Title

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Intro

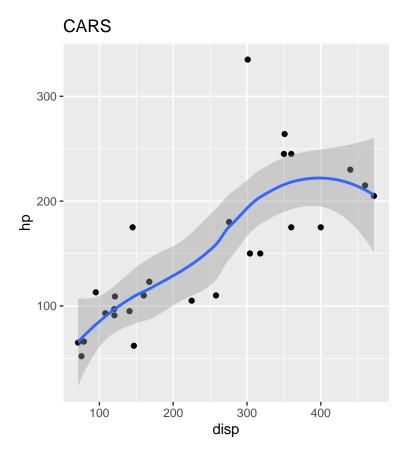
The purpose of this script is to show how you can make loops in R Markdown, both within the markdown document and in a main script.

```
## -- Attaching packages ------ tidyverse 1.3.1 --
## v ggplot2 3.3.6
                    v purrr
                             0.3.4
## v tibble 3.1.6
                    v dplyr
                             1.0.9
## v tidyr
           1.2.0
                    v stringr 1.4.0
## v readr
           2.1.2
                    v forcats 0.5.1
## -- Conflicts ----- tidyverse conflicts() --
## x dplyr::filter() masks stats::filter()
## x dplyr::lag()
                  masks stats::lag()
## 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>
## 1
              6
                     160
                             110
## 2
              6
                     160
                             110
## 3
              4
                     108
                             93
              6
                     258
                             110
## 5
              8
                     360
                             175
## 6
                     225
                             105
##
    category_cyl
                   xval_disp
                                   yval_hp
                  Min. : 71.1
##
   Min.
         :4.000
                                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.:8.000
                  3rd Qu.:326.0
                                3rd Qu.:180.0
         :8.000
                                      :335.0
## Max.
                  Max.
                        :472.0
                                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'

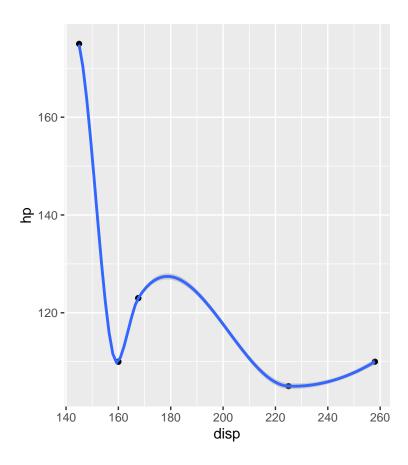


And that's neat, but we might want to create individual pages that are specific to an individual category. To do this, we use the package "gluedown".

"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.

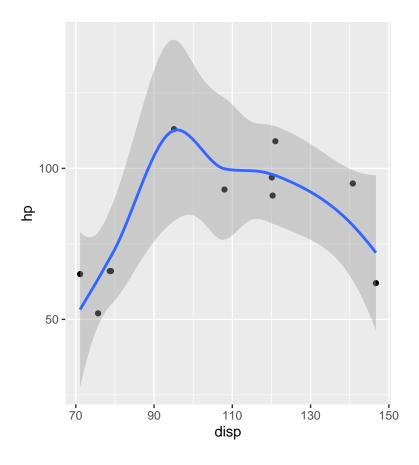
CARS: categorycyl = 6

```
## 'geom_smooth()' using method = 'loess' and formula 'y ~ x'
## Warning in simpleLoess(y, x, w, span, degree = degree, parametric =
## parametric, : pseudoinverse used at 144.44
## Warning in simpleLoess(y, x, w, span, degree = degree, parametric =
## parametric, : neighborhood radius 23.165
## Warning in simpleLoess(y, x, w, span, degree = degree, parametric =
## parametric, : reciprocal condition number 4.8226e-017
## Warning in simpleLoess(y, x, w, span, degree = degree, parametric =
## parametric, : There are other near singularities as well. 510.76
## Warning in predLoess(object$y, object$x, newx = if
## (is.null(newdata)) object$x else if (is.data.frame(newdata))
## as.matrix(model.frame(delete.response(terms(object)), : pseudoinverse used at
## 144.44
## Warning in predLoess(object$y, object$x, newx = if
## (is.null(newdata)) object$x else if (is.data.frame(newdata))
## 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$x else if (is.data.frame(newdata))
## as.matrix(model.frame(delete.response(terms(object)), : reciprocal condition
## number 4.8226e-017
## Warning in predLoess(object$y, object$x, newx = if
## (is.null(newdata)) object$x else if (is.data.frame(newdata))
## as.matrix(model.frame(delete.response(terms(object)), : There are other near
## singularities as well. 510.76
```



CARS: categorycyl = 4

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



CARS: categorycyl = 8

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

