Documento de Word desde R Markdown

# Este es un documento de Word generado desde R Markdown

Aquí tienes un párrafo de texto.

##   
## Attaching package: 'shinyjs'

## The following object is masked from 'package:shiny':  
##   
## runExample

## The following objects are masked from 'package:methods':  
##   
## removeClass, show

##   
## Attaching package: 'shinydashboard'

## The following object is masked from 'package:graphics':  
##   
## box

##   
## Attaching package: 'Hmisc'

## The following object is masked from 'package:shinyjs':  
##   
## html

## The following objects are masked from 'package:base':  
##   
## format.pval, units

# Código R para generar una tabla de ejemplo  
  
rm(list = ls())  
source("global.R")  
  
database <- mtcars  
name\_var\_vr <- "mpg"  
name\_var\_factor <- "cyl"  
alpha\_value <- 0.05  
  
  
obj\_name\_proccesing\_order <- function(selected\_fn){  
  
 # Obtiene el código fuente de la función  
 codigo\_fuente <- deparse(body(lm))  
  
 # Busca y selecciona las líneas que contienen "<- data.frame("  
 lineas\_seleccionadas <- codigo\_fuente  
 lineas\_seleccionadas <- grep("<-", lineas\_seleccionadas, value = TRUE)  
 lineas\_seleccionadas <- grep("\\$.\*<-", lineas\_seleccionadas, value = TRUE, invert = TRUE)  
  
  
 # lineas\_seleccionadas <- gsub(" ", "", lineas\_seleccionadas)  
 lineas\_seleccionadas <- trimws(lineas\_seleccionadas)  
  
 lineas\_seleccionadas <- grep("\\).\*<-", lineas\_seleccionadas, value = TRUE, invert = TRUE)  
 lineas\_seleccionadas <- grep("\\].\*<-", lineas\_seleccionadas, value = TRUE, invert = TRUE)  
  
 # lineas\_seleccionadas <- grep("\\$", lineas\_seleccionadas, value = TRUE, invert = TRUE)  
 lineas\_seleccionadas <- sub(" <-.\*", "", lineas\_seleccionadas)  
 lineas\_seleccionadas <- grep("^hide\_", lineas\_seleccionadas, value = TRUE, invert = TRUE)  
  
  
 obj\_order\_names <- lineas\_seleccionadas  
  
 return(obj\_order\_names)  
  
}  
  
all\_aca <- anova\_full\_gen01(database, name\_var\_vr, name\_var\_factor, alpha\_value)  
  
all\_aca

## $vector\_all\_var\_names  
## [1] "mpg" "cyl" "disp" "hp" "drat" "wt" "qsec" "vs" "am" "gear"  
## [11] "carb"  
##   
## $vector\_name\_selected\_vars  
## [1] "mpg" "cyl"  
##   
## $vector\_rol\_vars  
## [1] "VR" "FACTOR"  
##   
## $df\_selected\_vars  
## order var\_name var\_number var\_letter var\_role doble\_reference  
## 1 1 mpg 1 A VR VR(mpg)  
## 2 2 cyl 2 B FACTOR FACTOR(cyl)  
##   
## $minibase  
## VR FACTOR  
## Mazda RX4 21.0 6  
## Mazda RX4 Wag 21.0 6  
## Datsun 710 22.8 4  
## Hornet 4 Drive 21.4 6  
## Hornet Sportabout 18.7 8  
## Valiant 18.1 6  
## Duster 360 14.3 8  
## Merc 240D 24.4 4  
## Merc 230 22.8 4  
## Merc 280 19.2 6  
## Merc 280C 17.8 6  
## Merc 450SE 16.4 8  
## Merc 450SL 17.3 8  
## Merc 450SLC 15.2 8  
## Cadillac Fleetwood 10.4 8  
## Lincoln Continental 10.4 8  
## Chrysler Imperial 14.7 8  
## Fiat 128 32.4 4  
## Honda Civic 30.4 4  
## Toyota Corolla 33.9 4  
## Toyota Corona 21.5 4  
## Dodge Challenger 15.5 8  
## AMC Javelin 15.2 8  
## Camaro Z28 13.3 8  
## Pontiac Firebird 19.2 8  
## Fiat X1-9 27.3 4  
## Porsche 914-2 26.0 4  
## Lotus Europa 30.4 4  
## Ford Pantera L 15.8 8  
## Ferrari Dino 19.7 6  
## Maserati Bora 15.0 8  
## Volvo 142E 21.4 4  
##   
## $df\_control\_minibase  
## order var\_name var\_role control verify  
## 1 1 mpg VR is.numeric() TRUE  
## 2 2 cyl FACTOR is.factor() TRUE  
##   
## $df\_show\_n  
## object n\_col n\_row  
## 1 database 11 32  
## 2 minibase 2 32  
##   
## $df\_factor\_info  
## order level n mean color  
## 4 1 4 11 26.66364 #FF0000  
## 6 2 6 7 19.74286 #00FF00  
## 8 3 8 14 15.10000 #0000FF  
##   
## $check\_unbalanced\_reps  
## [1] TRUE  
##   
## $lm\_anova  
##   
## Call:  
## lm(formula = VR ~ FACTOR, data = minibase)  
##   
## Coefficients:  
## (Intercept) FACTOR6 FACTOR8   
## 26.664 -6.921 -11.564   
##   
##   
## $aov\_anova  
## Call:  
## aov(formula = lm\_anova)  
##   
## Terms:  
## FACTOR Residuals  
## Sum of Squares 824.7846 301.2626  
## Deg. of Freedom 2 29  
##   
## Residual standard error: 3.223099  
## Estimated effects may be unbalanced  
##   
## $table\_anova  
## Df Sum Sq Mean Sq F value Pr(>F)  
## FACTOR 2 824.7846 412.39230 39.69752 4.978919e-09  
## Residuals 29 301.2626 10.38837 NA NA  
##   
## $dt\_rows\_database\_ok  
## Mazda RX4 Mazda RX4 Wag Datsun 710 Hornet 4 Drive   
## TRUE TRUE TRUE TRUE   
## Hornet Sportabout Valiant Duster 360 Merc 240D   
## TRUE TRUE TRUE TRUE   
## Merc 230 Merc 280 Merc 280C Merc 450SE   
## TRUE TRUE TRUE TRUE   
## Merc 450SL Merc 450SLC Cadillac Fleetwood Lincoln Continental   
## TRUE TRUE TRUE TRUE   
## Chrysler Imperial Fiat 128 Honda Civic Toyota Corolla   
## TRUE TRUE TRUE TRUE   
## Toyota Corona Dodge Challenger AMC Javelin Camaro Z28   
## TRUE TRUE TRUE TRUE   
## Pontiac Firebird Fiat X1-9 Porsche 914-2 Lotus Europa   
## TRUE TRUE TRUE TRUE   
## Ford Pantera L Ferrari Dino Maserati Bora Volvo 142E   
## TRUE TRUE TRUE TRUE   
##   
## $minibase\_mod  
## VR FACTOR lvl\_order\_number lvl\_color fitted.values  
## Mazda RX4 21.0 6 2 #00FF00 19.74286  
## Mazda RX4 Wag 21.0 6 2 #00FF00 19.74286  
## Datsun 710 22.8 4 1 #FF0000 26.66364  
## Hornet 4 Drive 21.4 6 2 #00FF00 19.74286  
## Hornet Sportabout 18.7 8 3 #0000FF 15.10000  
## Valiant 18.1 6 2 #00FF00 19.74286  
## Duster 360 14.3 8 3 #0000FF 15.10000  
## Merc 240D 24.4 4 1 #FF0000 26.66364  
## Merc 230 22.8 4 1 #FF0000 26.66364  
## Merc 280 19.2 6 2 #00FF00 19.74286  
## Merc 280C 17.8 6 2 #00FF00 19.74286  
## Merc 450SE 16.4 8 3 #0000FF 15.10000  
## Merc 450SL 17.3 8 3 #0000FF 15.10000  
## Merc 450SLC 15.2 8 3 #0000FF 15.10000  
## Cadillac Fleetwood 10.4 8 3 #0000FF 15.10000  
## Lincoln Continental 10.4 8 3 #0000FF 15.10000  
## Chrysler Imperial 14.7 8 3 #0000FF 15.10000  
## Fiat 128 32.4 4 1 #FF0000 26.66364  
## Honda Civic 30.4 4 1 #FF0000 26.66364  
## Toyota Corolla 33.9 4 1 #FF0000 26.66364  
## Toyota Corona 21.5 4 1 #FF0000 26.66364  
## Dodge Challenger 15.5 8 3 #0000FF 15.10000  
## AMC Javelin 15.2 8 3 #0000FF 15.10000  
## Camaro Z28 13.3 8 3 #0000FF 15.10000  
## Pontiac Firebird 19.2 8 3 #0000FF 15.10000  
## Fiat X1-9 27.3 4 1 #FF0000 26.66364  
## Porsche 914-2 26.0 4 1 #FF0000 26.66364  
## Lotus Europa 30.4 4 1 #FF0000 26.66364  
## Ford Pantera L 15.8 8 3 #0000FF 15.10000  
## Ferrari Dino 19.7 6 2 #00FF00 19.74286  
## Maserati Bora 15.0 8 3 #0000FF 15.10000  
## Volvo 142E 21.4 4 1 #FF0000 26.66364  
## residuals id\_database id\_minibase  
## Mazda RX4 1.25714286 1 1  
## Mazda RX4 Wag 1.25714286 2 2  
## Datsun 710 -3.86363636 3 3  
## Hornet 4 Drive 1.65714286 4 4  
## Hornet Sportabout 3.60000000 5 5  
## Valiant -1.64285714 6 6  
## Duster 360 -0.80000000 7 7  
## Merc 240D -2.26363636 8 8  
## Merc 230 -3.86363636 9 9  
## Merc 280 -0.54285714 10 10  
## Merc 280C -1.94285714 11 11  
## Merc 450SE 1.30000000 12 12  
## Merc 450SL 2.20000000 13 13  
## Merc 450SLC 0.10000000 14 14  
## Cadillac Fleetwood -4.70000000 15 15  
## Lincoln Continental -4.70000000 16 16  
## Chrysler Imperial -0.40000000 17 17  
## Fiat 128 5.73636364 18 18  
## Honda Civic 3.73636364 19 19  
## Toyota Corolla 7.23636364 20 20  
## Toyota Corona -5.16363636 21 21  
## Dodge Challenger 0.40000000 22 22  
## AMC Javelin 0.10000000 23 23  
## Camaro Z28 -1.80000000 24 24  
## Pontiac Firebird 4.10000000 25 25  
## Fiat X1-9 0.63636364 26 26  
## Porsche 914-2 -0.66363636 27 27  
## Lotus Europa 3.73636364 28 28  
## Ford Pantera L 0.70000000 29 29  
## Ferrari Dino -0.04285714 30 30  
## Maserati Bora -0.10000000 31 31  
## Volvo 142E -5.26363636 32 32  
##   
## $test\_residuals\_normality  
##   
## Shapiro-Wilk normality test  
##   
## data: minibase\_mod$residuals  
## W = 0.97065, p-value = 0.5177  
##   
##   
## $test\_residuals\_homogeneity  
##   
## Bartlett test of homogeneity of variances  
##   
## data: residuals by FACTOR  
## Bartlett's K-squared = 8.3934, df = 2, p-value = 0.01505  
##   
##   
## $df\_residuals\_variance\_levels  
## order level variance n  
## 4 1 4 20.338545 11  
## 6 2 6 2.112857 7  
## 8 3 8 6.553846 14  
##   
## $sum\_residuals  
## [1] 1.394718e-15  
##   
## $mean\_residuals  
## [1] 4.369335e-17  
##   
## $tukey01\_full\_groups  
## $statistics  
## MSerror Df Mean CV  
## 10.38837 29 20.09062 16.0428  
##   
## $parameters  
## test name.t ntr StudentizedRange alpha  
## Tukey FACTOR 3 3.492609 0.05  
##   
## $means  
## VR std r se Min Max Q25 Q50 Q75  
## 4 26.66364 4.509828 11 0.9718008 21.4 33.9 22.80 26.0 30.40  
## 6 19.74286 1.453567 7 1.2182168 17.8 21.4 18.65 19.7 21.00  
## 8 15.10000 2.560048 14 0.8614094 10.4 19.2 14.40 15.2 16.25  
##   
## $comparison  
## NULL  
##   
## $groups  
## VR groups  
## 4 26.66364 a  
## 6 19.74286 b  
## 8 15.10000 c  
##   
## attr(,"class")  
## [1] "group"  
##   
## $tukey02\_full\_pairs  
## $statistics  
## MSerror Df Mean CV  
## 10.38837 29 20.09062 16.0428  
##   
## $parameters  
## test name.t ntr StudentizedRange alpha  
## Tukey FACTOR 3 3.492609 0.05  
##   
## $means  
## VR std r se Min Max Q25 Q50 Q75  
## 4 26.66364 4.509828 11 0.9718008 21.4 33.9 22.80 26.0 30.40  
## 6 19.74286 1.453567 7 1.2182168 17.8 21.4 18.65 19.7 21.00  
## 8 15.10000 2.560048 14 0.8614094 10.4 19.2 14.40 15.2 16.25  
##   
## $comparison  
## difference pvalue signif. LCL UCL  
## 4 - 6 6.920779 0.0001 \*\*\* 3.330308 10.511251  
## 4 - 8 11.563636 0.0000 \*\*\* 7.973165 15.154108  
## 6 - 8 4.642857 0.0092 \*\* 1.052385 8.233329  
##   
## $groups  
## NULL  
##   
## attr(,"class")  
## [1] "group"  
##   
## $df\_tukey\_original\_table  
## VR groups  
## 4 26.66364 a  
## 6 19.74286 b  
## 8 15.10000 c  
##   
## $df\_tukey\_new\_table  
## level mean group  
## 1 4 26.66364 a  
## 2 6 19.74286 b  
## 3 8 15.10000 c  
##   
## $df\_vr\_position\_levels  
## order level min mean median max n  
## 4 1 4 21.4 26.66364 26.0 33.9 11  
## 6 2 6 17.8 19.74286 19.7 21.4 7  
## 8 3 8 10.4 15.10000 15.2 19.2 14  
##   
## $df\_vr\_dispersion\_levels  
## order level range variance standard\_deviation standard\_error n  
## 4 1 4 12.5 20.338545 4.509828 1.3597642 11  
## 6 2 6 3.6 2.112857 1.453567 0.5493967 7  
## 8 3 8 8.8 6.553846 2.560048 0.6842016 14  
##   
## $df\_vr\_position\_general  
## min mean median max n  
## 1 10.4 20.09062 19.2 33.9 32  
##   
## $df\_vr\_dispersion\_general  
## range variance standard\_deviation standard\_error n  
## 1 23.5 36.3241 6.026948 1.065424 32  
##   
## $df\_residuals\_position\_levels  
## order level min mean median max n  
## 4 1 4 -5.263636 -4.037175e-17 -0.66363636 7.236364 11  
## 6 2 6 -1.942857 2.081668e-17 -0.04285714 1.657143 7  
## 8 3 8 -4.700000 1.208813e-16 0.10000000 4.100000 14  
##   
## $df\_residual\_dispersion\_levels  
## order level range variance standard\_deviation standard\_error n  
## 4 1 4 12.5 20.338545 4.509828 1.3597642 11  
## 6 2 6 3.6 2.112857 1.453567 0.5493967 7  
## 8 3 8 8.8 6.553846 2.560048 0.6842016 14  
##   
## $df\_residuals\_position\_general  
## min mean median max n  
## 1 -5.263636 4.369335e-17 0.02857143 7.236364 32  
##   
## $df\_residuals\_dispersion\_general  
## range variance standard\_deviation standard\_error n  
## 1 12.5 9.718148 3.117394 0.5510827 32  
##   
## $est\_mu  
## [1] 20.09062  
##   
## $vector\_est\_mu\_i  
## [1] 26.66364 19.74286 15.10000  
##   
## $vector\_est\_mu  
## [1] 20.09062 20.09062 20.09062  
##   
## $vector\_est\_tau\_i  
## [1] 6.5730114 -0.3477679 -4.9906250  
##   
## $sum\_est\_tau\_i  
## [1] 1.234619  
##   
## $df\_anova\_model\_long  
## order level n est\_mu est\_tau\_i  
## 1 1 4 11 20.09062 6.5730114  
## 2 2 6 7 20.09062 -0.3477679  
## 3 3 8 14 20.09062 -4.9906250  
##   
## $df\_anova\_model\_short  
## order level n est\_mu\_i  
## 1 1 4 11 26.66364  
## 2 2 6 7 19.74286  
## 3 3 8 14 15.10000