# RYR1

carner<-read.csv2("Halfinal.csv")

library(FactoMineR)

summary(carner)

head(carner)

names(carner)

pcacarner<-PCA(carner[,1:12], scale.unit = TRUE, ind.sup = NULL, quanti.sup = NULL,

quali.sup = NULL,row.w = NULL,col.w = NULL,graph = TRUE,axes = c(1,2))

library(ggplot2)

library(shiny)

library(FactoInvestigate)

library(Factoshiny)

PCAshiny(carner)

# Elipses Hal

res.PCA<-PCA(carner,quali.sup=c(13),graph=FALSE)

plot.PCA(res.PCA,choix='var')

plotellipses(res.PCA, keepvar=13,invisible=c('ind.sup'),cex=1.4,cex.main=1.4,cex.axis=1.4,label =c('quali'))

# Contributions Hal

res.PCA<-PCA(carner,quali.sup=c(13),graph=FALSE)

plot.PCA(res.PCA,choix='var',habillage = 'contrib',select='contrib 12',unselect=0,cex=0.9,cex.main=0.9,cex.axis=0.9)

plotellipses(res.PCA, keepvar=13,invisible=c('ind.sup'),cex=1.1,cex.main=1.1,cex.axis=1.1,label =c('ind','quali'))

# http://127.0.0.1:7548/

# RN

carnern<-read.csv2("RNfinal.csv")

library(FactoMineR)

summary(carnern)

head(carnern)

names(carnern)

library(ggplot2)

library(shiny)

library(FactoInvestigate)

library(Factoshiny)

PCAshiny(carnern)

# Elipses RN

res.PCA<-PCA(carnern,quali.sup=c(13),graph=FALSE)

plot.PCA(res.PCA,choix='var',habillage = 'contrib',select='contrib 12',unselect=0)

plotellipses(res.PCA, keepvar=13,invisible=c('quali','ind.sup'),label ='none')

# Contributions RN

res.PCA<-PCA(carnern,quali.sup=c(13),graph=FALSE)

plot.PCA(res.PCA,choix='var',habillage = 'contrib',select='contrib 12',unselect=0)

plot.PCA(res.PCA,invisible=c('ind.sup'),label =c('ind','quali'))

http://127.0.0.1:3083/

# CASTSER638ARG

carnec<-read.csv2("CastS638A.csv")

library(FactoMineR)

summary(carnec)

head(carnec)

names(carnec)

library(ggplot2)

library(shiny)

library(FactoInvestigate)

library(Factoshiny)

PCAshiny(carnec)

#Ellipses

res.PCA<-PCA(carnec,quali.sup=c(13),graph=FALSE)

plot.PCA(res.PCA,choix='var',habillage = 'contrib',select='contrib 12',unselect=0)

plotellipses(res.PCA, keepvar=13,invisible=c('ind.sup'),cex=1.05,cex.main=1.05,cex.axis=1.05,label =c('ind'))

#Contributions

res.PCA<-PCA(carnec,quali.sup=c(13),graph=FALSE)

plot.PCA(res.PCA,choix='var',habillage = 'contrib',select='contrib 12',unselect=0)

plot.PCA(res.PCA,invisible=c('ind.sup'),label =c('ind','quali'))

# http://127.0.0.1:7275/

# CAST G872A

carneg<-read.csv2("CastG872A.csv")

library(FactoMineR)

summary(carneg)

head(carneg)

names(carneg)

library(ggplot2)

library(shiny)

library(FactoInvestigate)

library(Factoshiny)

PCAshiny(carneg)

# Ellipses

res.PCA<-PCA(carneg,quali.sup=c(13),graph=FALSE)

plot.PCA(res.PCA,choix='var')

plotellipses(res.PCA, keepvar=13,invisible=c('quali','ind.sup'),select='contrib 967',label ='none')

#Contribution

res.PCA<-PCA(carneg,quali.sup=c(13),graph=FALSE)

plot.PCA(res.PCA,choix='var',habillage = 'contrib',select='contrib 12',unselect=0)

plot.PCA(res.PCA,invisible=c('ind.sup'),label =c('ind','quali'))

# http://127.0.0.1:7275/

# SOX6A

library(FactoMineR)

summary(carnes)

head(carnes)

names(carnes)

library(ggplot2)

library(shiny)

library(FactoInvestigate)

library(Factoshiny)

PCAshiny(carnes)

# Ellipses

res.PCA<-PCA(carnes,quali.sup=c(13),graph=FALSE)

plot.PCA(res.PCA,choix='var',habillage = 'contrib',select='contrib 12',unselect=0)

plotellipses(res.PCA, keepvar=13,invisible=c('quali','ind.sup'),select='contrib 966',cex=1.2,cex.main=1.2,cex.axis=1.2,label ='none')

# Contribution

res.PCA<-PCA(carnes,quali.sup=c(13),graph=FALSE)

plot.PCA(res.PCA,choix='var',habillage = 'contrib',select='contrib 12',unselect=0)

plot.PCA(res.PCA,invisible=c('ind.sup'),label =c('ind','quali'))

# http://127.0.0.1:7275/

# SOX6B

carnes2<-read.csv2("SOX6Bfinal.csv")

library(FactoMineR)

summary(carnes2)

head(carnes2)

names(carnes2)

library(ggplot2)

library(shiny)

library(FactoInvestigate)

library(Factoshiny)

PCAshiny(carnes2)

# Ellipses

res.PCA<-PCA(carnes2,quali.sup=c(13),graph=FALSE)

plot.PCA(res.PCA,choix='var',habillage = 'contrib',select='contrib 12',unselect=0)

plotellipses(res.PCA, keepvar=13,invisible=c('quali','ind.sup'),select='contrib 967',cex=1.1,cex.main=1.1,cex.axis=1.1,label =c('ind'))

# Contribution

res.PCA<-PCA(carne2,quali.sup=c(13),graph=FALSE)

plot.PCA(res.PCA,choix='var',habillage = 'contrib',select='contrib 12',unselect=0)

plot.PCA(res.PCA,invisible=c('ind.sup'),label =c('ind','quali'))

# http://127.0.0.1:7275/