Formulario examen

Crear listas: variable <- c(23, “dsf”, False”)

Crear secuencias: secuencia <- 1:9 o seq(from = 1, to = 20, by = 0.5)

Crear una matriz: mat <- matrix(1:20, nrow = 4, ncol = 5)

Factores: nivelE <- factor(c(“c1”, “c2”, “c3”)

Cuantiles y boxplot:

ercentiles chidos.r

```r
data = read.csv("demographics.csv")
carpr = data$carpr
#quantiles
byN = 5
percentages = seq(1/byN, 1, by = 1/byN)
quantiles = quantile(carpr, percentages)

#Boxplot

boxplot(carpr, horizontal = TRUE)
```

Skewness y kurtosis:

Skewness y kurtosis .r

```r
library(e1071)
erupt = faithful$eruptions

#print(skewness(erupt))

tercerm = moment(erupt, order = 3, center = TRUE)
segundom = moment(erupt, order = 2, center = TRUE)
res = tercerm/(segundom^(3/2))



#Exceso de kurtosis
kurtosisExcess = kurtosis(erupt)
print(kurtosisExcess)

#kurtosis
kurtosis = kurtosisExcess +3
```

Matriz de correlación: mat <- cor(dataFrame)

Histograma: hist(dataFrame, main = “Titulo”)

Covarianzas: covarianzas <- cov(dataframe1, dataframe2)