library(jpeg)

ruta<-file.choose()

img <- readJPEG(ruta)

R <- img[,,1]

plot(0:1,0:1, type='n', axes = FALSE, xlab = "", ylab = "")

rasterImage(R, 0, 0, 1, 1)

A group of people outside of a building

Description automatically generated

hist(R)



T <- function(x){

r <- sum(R<=x)/(nrow(R)\*ncol(R))

return(r)

}

res <- matrix(0,nrow = nrow(R), ncol = ncol(R))

for (i in 1:nrow(R)){

for (j in 1:ncol(R)){

res[i,j] <- T(R[i,j])

}

}

plot(0:1,0:1, type='n', axes = FALSE, xlab = "", ylab = "")

rasterImage(res, 0, 0, 1, 1)



hist(res)









