

Introduccion_Morocho

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#asignacion de valores a <- 6
#creacion de vectores b <- c(6,5,8,9,12,18)
#posicion dentro del vector b[2] b[5] b[1:3]
#mostrar el vector, eliminando la posicion indicada b[-6]
#tablas de datos d <- c(3,6,8) e <- c(4,7,6) f <- c(4,5,6)
d <- data.frame(d,e,f)
#graficar con la libreria ggplot2 library(ggplot2)
#graficar un punto g <- 4 h <- 9
dat <- data.frame(g,h)
ggplot() + geom_point(data=dat,aes(x=g,y=h),size=5,color="blue")
#graficar y configurar los ejes, etiquetas i <- c(2,5,1) j <- c(6,4,9)
dat1 <- data.frame(i,j) ggplot() + geom_point(data = dat1,
aes(x=i,y=j),size=5,color="green") + scale_x_continuous(limits=c(0,15),breaks =
seq(0,15,1)) + scale_y_continuous(limits=c(0,15),breaks = seq(0,15,1))
#uso de colores y figuras en ggplot ggplot() + geom_point(data = dat1,
aes(x=i,y=j),size=10,color="brown",shape=10) +
scale_x_continuous(limits=c(0,15),breaks = seq(0,15,1)) +
scale_y_continuous(limits=c(0,15),breaks = seq(0,15,1))
#graficar lineas k <- c(1,8) l <- c(3,10)
dat2 <- data.frame(k,l)
ggplot() + geom_line(data = dat2, aes(x=k,y=l))
#cambiar datos dat2k <- -c(1,8) dat2l <- c(3,10)
ggplot() + geom_line(data = dat2, aes(x=k,y=l))
#graficar lines con margen de datos m <- c(0,10) n <- 3*x+1
dat3 <- data.frame(m,n)
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ggplot() + geom_line(data = dat3, aes(x=m,y=n))

n <- .5*x - .73

dat3 <- data.frame(m,n)

ggplot() + geom_line(data = dat3, aes(x=m,y=n))

#datos de lineas de tendencia sample (1:10,100,replace = TRUE)

rnorm(100,50,10) rnorm(100,50,90)

#graficas con datos de tendencia rep (1,100)

o <- rep(1,100) p <- rnorm (100,50,10)

dat4 <- data.frame(o,p)

o <- 1 p <- 50

mean <- data.frame(o,p)

ggplot() + geom_point(data = dat4, aes(x=o,y=p))+ geom_point(data =
mean,aes(x=o,y=p),size=7,color="purple")

#puntos criticos q <- rep(1,100) q <- c(x,rep(9,100)) r <- rnorm(100,50,10) r <-
c(r,rnorm(100,30,10)) r <- c(r,rnorm(100,78,10))

dat5 <- data.frame(q,r)

q <- c(1,9,15) r <- c(50,30,78)

means <- data.frame (q,r)

ggplot() + geom_point(data = dat5, aes(x=q,y=r))+ geom_point(data =
means,aes(x=q,y=r),size=7,color="red")

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