citation()

getwd()

setwd()

#....

"Let's Go Sioux!"

15

((22+5)/9)\*2

c(0,1,1,2,3,5,8,13,21,34) #fibonnaci sequence

x = c(0,1,1,2,3,5,8,13,21,34)

x

x[1:3]

x[-5:-6]

plot(x)

plot(x, main="Fibonacci Sequence", xlab="Order", ylab="Value")

y = sqrt(x)

y

?sqrt

plot(x,y)

z=3

x2 = x\*z

x2

#Boolean

5 < 6

6 < 5

x == 0

rep("North Dakota Hockey", times=3)

seq(0,10, by=2)

p = seq(1:3)

p

q = seq(1,2, by=0.5)

q

r = rbind(p,q)

r

str(r)

s = cbind(p,q)

s

s = as.data.frame(s)

str(s)

names(s) = c("column 1", "column 2")

s

t= as.matrix(s)

t

t[1,1]

t[,2]

t[1:2,]

new = old[1:70, c(1,3,7:10)]

new = old[,-1]

#summary stats

a = c(1,2,3,NA)

sum(a)

sum(a, na.rm=TRUE)

data = c(4,3,2,5.5,7.8,9,14,20)

mean(data)

median(data)

sd(data)

max(data)

min(data)

range(data)

quantile(data)

barplot(data)

abline(h=mean(data))

abline(h=median(data), lty=2)

set.seed(1)

norm = rnorm(100)

plot(norm)

hist(norm)