q()

install.packages("KernSmooth")

library(KernSmooth)

source('R basics.R')

data

source('R basics.R')

source('R basics.R')

source('R basics.R')

source('R basics.R')

names(data)

source('R basics.R')

source('R basics.R')

head(data)

tail(data)

data[47]

data[47,]

data[47,1]

data[47,1]#first column

data[47,1:3]#first column

sum(is.na,data[,1])

sum(is.na(data[,1]))

sum(is.na(data[,1]))

mean(na.omit(data[,1]))

SUBSET

subset

help subset

subset help

subset?

?

help("subset")

ozone\_data<-subset(data[,1],!is.na)

ozone\_data<-subset(data[,1],!is.na(data[,1]))

ozone\_data<-subset(data,!is.na(data[,1]))

ozone\_data<-subset(data[,1],!is.na(data[,1]))

ozone\_data

ozone\_data<-subset(Ozone,!is.na(data[,1]))

ozone\_data<-subset(data[,],!is.na(data[,1]))

ozone\_data

ozone\_data<-subset(data[,],!is.na(data[,]))

ozone\_data

ozone\_data<-subset(data[,1],!is.na(data[,]))

ozone\_data

ozone\_data<-subset(data[1,],!is.na(data[,]))

ozone\_data

ozone\_data<-subset(data[,1],!is.na(data[,1]))

ozone\_data

length(ozone\_data)

ozone\_data

ozone\_data<-subset(data,!is.na(Ozone),select=Ozone)

ozone\_data

head(data)

june\_temp<-mean(Temp,na.omit(Temp),Month==5)

june\_temp<-mean(data[,4],na.omit(Temp),Month==5)

june\_temp<-mean(data[,4],na.omit(Temp),data[,5]==5)

june\_temp<-mean(data[,4],na.omit(data[,5]),data[,5]==5)

june\_temp<-mean(data[,4],na.omit(data[,5]))

ozone\_data<-subset(data,!is.na(Ozone),select=Ozone)

ozone\_data

sum(!is.na(data[,1]))

sum(is.na(data[,1]))

head(data)

names(data)

Temp

sum(!is.na(data[,1]))

mean(!is.na(data[,1]))

mean(na.omit(data[,1]))

!is.na(data[,1])

count(!is.na(data[,1]))

sum(!is.na(data[,1]))

sum(is.na(data[,1]))

x<-{1 2 3}

data

install.packages("swirl")

packageVersion("swirl")

library(swirl)

rm(list=ls())

data

install\_from\_swirl("R Programming")

swirl()

5+7

x<-5+7

x

y<-x-3

y

z<-c(1.1,9,3.14)

?c

z

c(z,555,z)

z\*2+100

my\_sqrt<-sqrt(z-1)

my\_sqrt

my\_div<-z/my\_sqrt

my\_div

c(1,2,3,4)+c(0,10)

c(1,2,3,4)+c(0,10,100)

z\*2+1000

my\_div

getwd()

ls()

x<-9

ls()

dir()

?list.files

args(list.files)

old.dir<-getwd()

dir.create("testdir")

setwd(testdir)

setwd("testdir")

file.create("mytest.R")

ls()

list.files()

file.exists("mytest.R")

file.info("mytest.R")

file.rename("mytest.R","mytest2.R")

file.copy("mytest2.R","mytest3.R")

file.path("mytest3.R")

file.path('folder1','folder2')

?dir.create

dir.create(file.path('testdir2','testdir3'),recursive=TRUE)

setwd(old.dir)

1:20

pi:10

15:1

?":"

seq(1,20)

seq(0,10,by=0.5)

my\_seq<-seq(5,10,length=30)

length(my\_seq)

1:length(my\_seq)

seq(along.with=my\_seq)

seq\_along(my\_seq)

rep(0,times=40)

rep(c(0,1,2),times=10)

rep(c(0,1,2),each=10)

num\_vect<-c(0.5,55,-10,6)

tf<-num\_vect<1

tf

num\_vect>=6

my\_char<-c("My","name","is")

my\_char

history(Inf)