Run a periticular line : CTRL+Enter

Run the entire code: CTRL+SHIFT+enter

Clear the console: CTRL+L

---------------------------------------------

9100 packages.

---------------------------------------------

Install the following libraries

1. swirl

2. caTools

3. readxl – Working with Excel.

--------------------------------------------

Function

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Matrix

-----------------------------------------

mat\_a<-matrix(c(25,14,36,51,36,98,9,7,1),ncol = 3) determinant = det(mat\_a) Mat\_mul = mat\_a%\*%mat\_a

--------------------------------------------------------------

1. Create a function for your CGPA, The program should take input from the user,the output should be the CGPA value and the grade you might get

2. Create a 5x5 matrix and perform

2.1 Trace of a matrix

2.2. Inverse of a matrix

------------------------------

Data Numerical categorical

Numerical - conti Discrete

Categorical – ordinal, nominal – Factors In R

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Ordinal data – factors (R) – tall taller tallest.

Nominal Data – male, female

-----------------------------------------

View(My\_friends)

str(My\_friends)

dim(My\_friends)

names(My\_friends)

My\_friends$Height<-as.factor(My\_friends$Height)

str(My\_friends)

levels(My\_friends$Height)

#I want to check who is eligible for military #age<26

My\_friends$Eligibility=My\_friends$Age<26

View(My\_friends) Eligible=subset(My\_friends,My\_friends$age<26)

PragSRM CSE2

2:33 PM

Run a periticular line : CTRL+Enter

Run the entire code: CTRL+SHIFT+enter

Clear the console: CTRL+L

PragSRM CSE2

2:38 PM

Install the following libraries

1. swirl

2. caTools

3. readxl

akash singh (RA1811003020508)

2:38 PM

Fata fat

How to do pls tell once more

akash singh (RA1811003020508)

2:40 PM

Ya

PragSRM CSE2

2:52 PM

mat\_a<-matrix(c(25,14,36,51,36,98,9,7,1),ncol = 3) determinant = det(mat\_a) Mat\_mul = mat\_a%\*%mat\_a

SHREYANSH TIWARI (RA1811003020500)

2:53 PM

no

PragSRM CSE2

2:55 PM

1. Create a function for your CGPA, The program should take input from the user,the output should be the CGPA value and the grade you might get

2. Create a 5x5 matrix and perform

2.1 Trace of a matrix

2.2. Inverse of a matrix

SHREYANSH TIWARI (RA1811003020500)

3:04 PM

discrete

akash singh (RA1811003020508)

3:05 PM

Continuous

akash singh (RA1811003020508)

3:07 PM

Fata fat

PragSRM CSE2

3:10 PM

S.No, Name, Height, weight, Age

PragSRM CSE2

3:18 PM

#Turn on a library library(MASS) #Check available data in R data() # View a dataset View(mtcars) names(iris) View(iris) dim(Melanoma) str(Melanoma) head(Melanoma) tail(Melanoma) colnames(Melanoma) rownames(Melanoma)

SHREYANSH TIWARI (RA1811003020500)

3:19 PM

no

PragSRM CSE2

3:28 PM

View(My\_friends) str(My\_friends) dim(My\_friends) names(My\_friends) My\_friends$Height<-as.factor(My\_friends$Height) str(My\_friends) levels(My\_friends$Height)

SHREYANSH TIWARI (RA1811003020500)

3:28 PM

no

PragSRM CSE2

3:32 PM

View(My\_friends) str(My\_friends) dim(My\_friends) names(My\_friends) My\_friends$Height<-as.factor(My\_friends$Height) str(My\_friends) levels(My\_friends$Height) #I want to check who is eligible for military #age<26 My\_friends$Eligibility=My\_friends$Age<26 View(My\_friends) Eligible=subset(My\_friends,My\_friends$age<26)

Eligiblefriends = subset(My\_friends, Age<26) View(Eligiblefriends)

AMISHA SINGH (RA1811003020474)

3:32 PM

No sir

PragSRM CSE2

3:34 PM

getwd()

PragSRM CSE2

3:38 PM

Eligiblefriends = subset(My\_friends, Age<26) View(Eligiblefriends)

You

3:40 PM

My\_friends$Height<-as.factor(My\_friends$Height)

explain what is as.factor sir

Week 4

install.packages("rvest")

install.packages("robotstxt")

install.packages("dplyr")

library(rvest)

library(robotstxt)

library(rvest)

library(robotstxt)

url<-"[https://en.wikipedia.org/wiki/List\_of\_countries\_and\_dependencies\_by\_population](https://meet.google.com/linkredirect?authuser=1&dest=https%3A%2F%2Fen.wikipedia.org%2Fwiki%2FList_of_countries_and_dependencies_by_population)"

# Reading my website My\_web<-read\_html(url)

#Let's extract the table My\_web\_table = html\_nodes(My\_web, "table")

#Let me extract the table i am looking for population<-html\_table(My\_web\_table)[[1]]

View(population)

Week 6

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PragSRM CSE2

2:42 PM

[http://www.endmemo.com/r/gsub.php](https://meet.google.com/linkredirect?authuser=1&dest=http%3A%2F%2Fwww.endmemo.com%2Fr%2Fgsub.php)

SHANDILYA SV (RA1811003020475)

2:46 PM

sir add vote and remove ,

PragSRM CSE2

2:47 PM

[:punct:]

PragSRM CSE2

2:52 PM

# Check the data type...Is it correct? str(imdb.ratings) # Remove special characters imdb.ratings$year <-gsub("\\(|\\)", "", imdb.ratings$year) View(imdb.ratings) imdb.ratings$duration <-gsub("min","",imdb.ratings$duration) View(imdb.ratings) imdb.ratings$Name<-as.character(imdb.ratings$Name) imdb.ratings$year<-as.numeric(imdb.ratings$year) imdb.ratings$duration<-as.numeric(imdb.ratings$duration) imdb.ratings$rating<-as.numeric(as.character(imdb.ratings$rating)) View(imdb.ratings)

PragSRM CSE2

2:58 PM

imdb.ratings$Rank<-c(1:50) View(imdb.ratings) imdb.ratings<-imdb.ratings[c("Rank","Name","year","duration","rating")] View(imdb.ratings) #Gross\_collected set.seed(123) imdb.ratings$Gross\_dollars<-runif(50,min = 10000000, max = 1000000000) View(imdb.ratings)

NA – Not available

Data which is missing i.e NA will be replaced by the mean of the column.

[http://www.endmemo.com/r/gsub.php](https://meet.google.com/linkredirect?authuser=1&dest=http%3A%2F%2Fwww.endmemo.com%2Fr%2Fgsub.php) -- for replacing particular value.