21BDS0340

Abhinav Dinesh Srivatsa

Exploratory Data Analysis Lab

Experiment – III

Code:

library(dplyr)

library(tidyr)

library(magrittr)

setwd("/Users/abhi/College Work/Year 4 Semester 1 (Sem 7)/Exploratory Data Analysis Lab/Assignment 2")

data = read.csv("DS2\_Match.csv")

Output:

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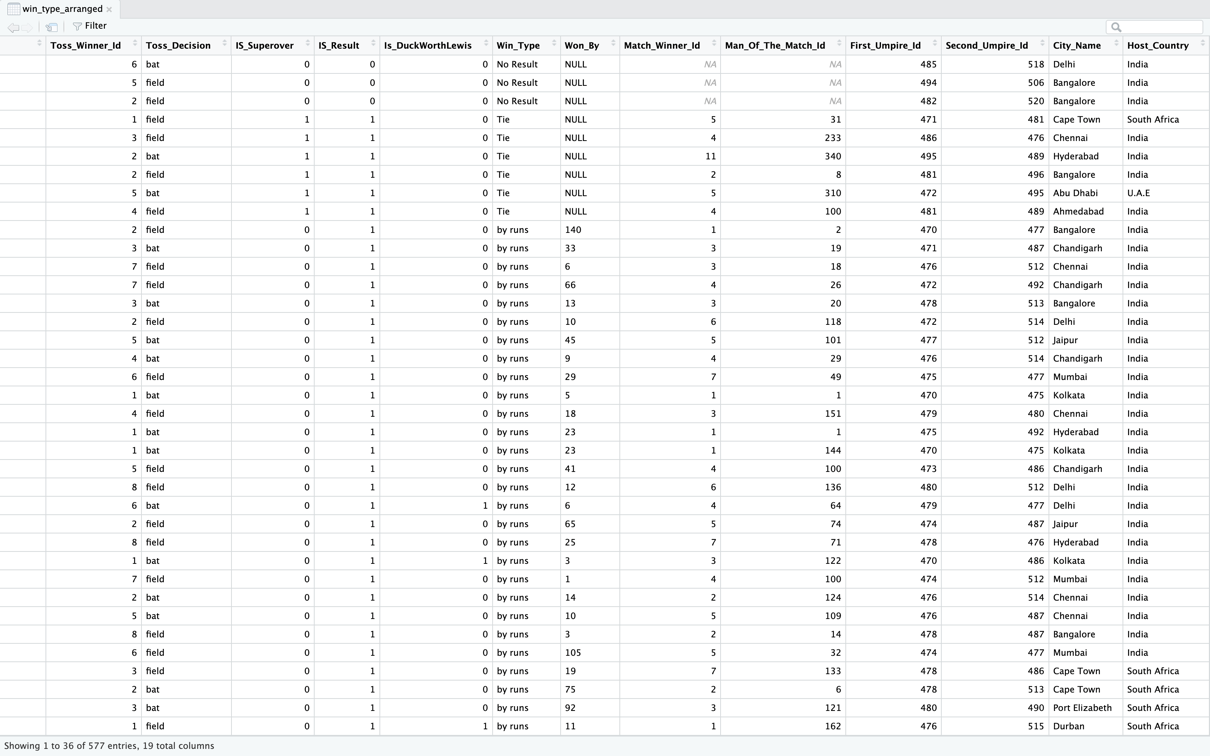
> data = read.csv("DS2\_Match.csv")

Code:

win\_type\_arranged = data %>% arrange(Win\_Type)

View(win\_type\_arranged)

Output:

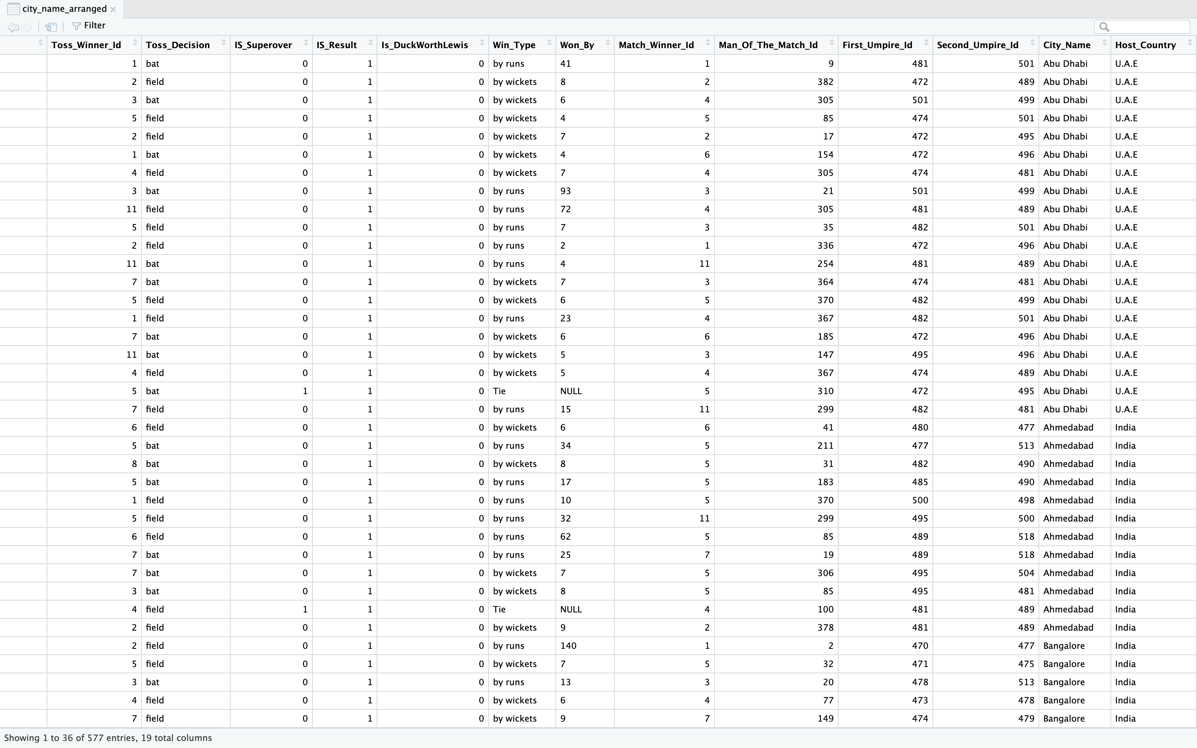


Code:

city\_name\_arranged = data %>% arrange(City\_Name)

View(city\_name\_arranged)

Output:

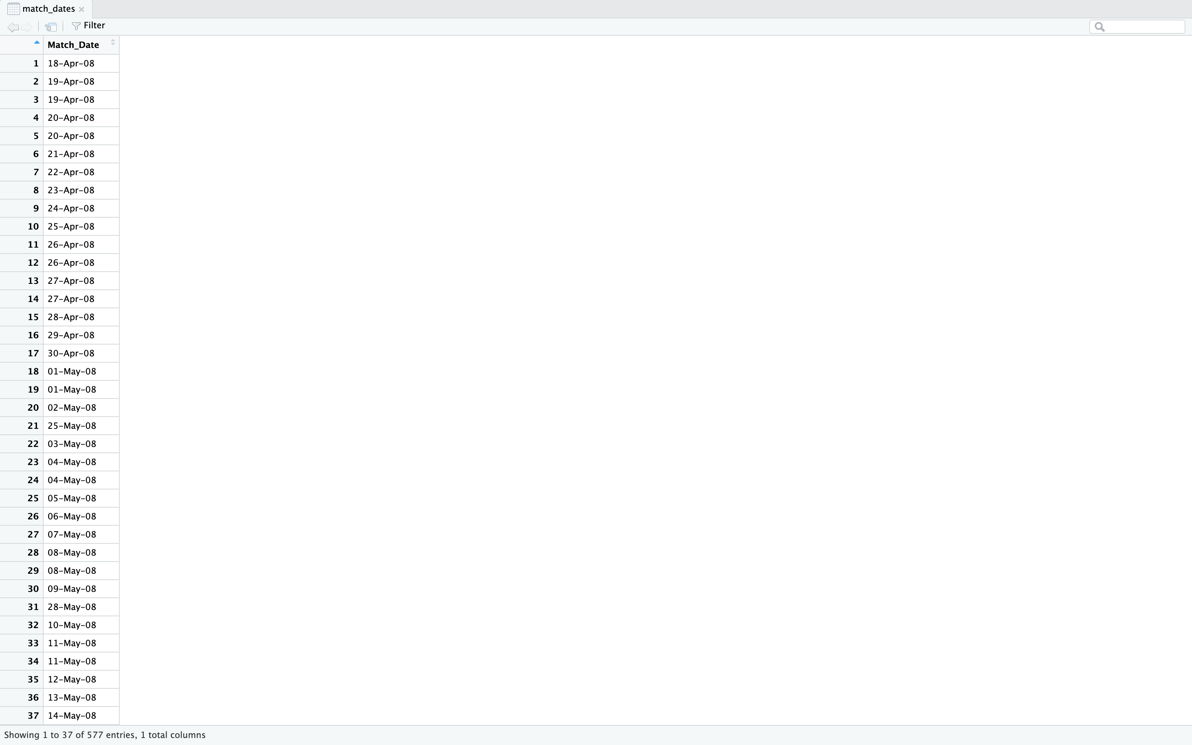


Code:

match\_dates = data %>% select(Match\_Date)

View(match\_dates)

Output:

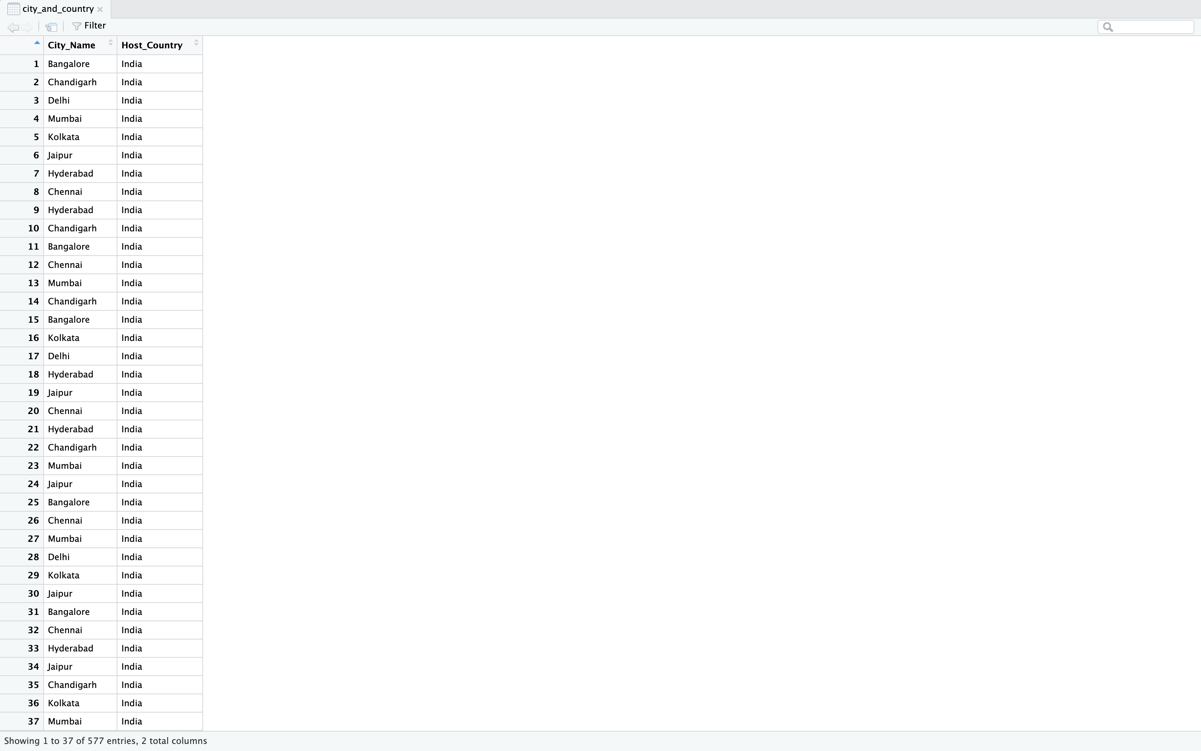


Code:

city\_and\_country = data %>% select(City\_Name, Host\_Country)

View(city\_and\_country)

Output:

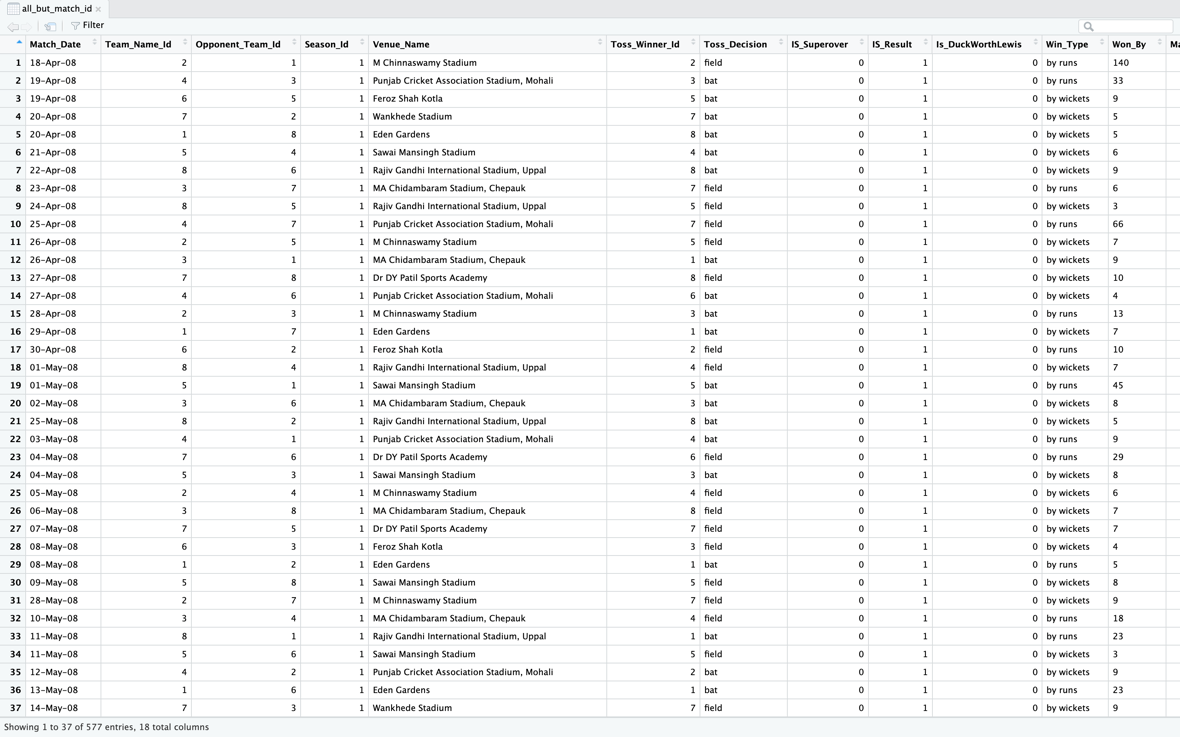


Code:

all\_but\_match\_id = data %>% select(-Match\_Id)

View(all\_but\_match\_id)

Output:

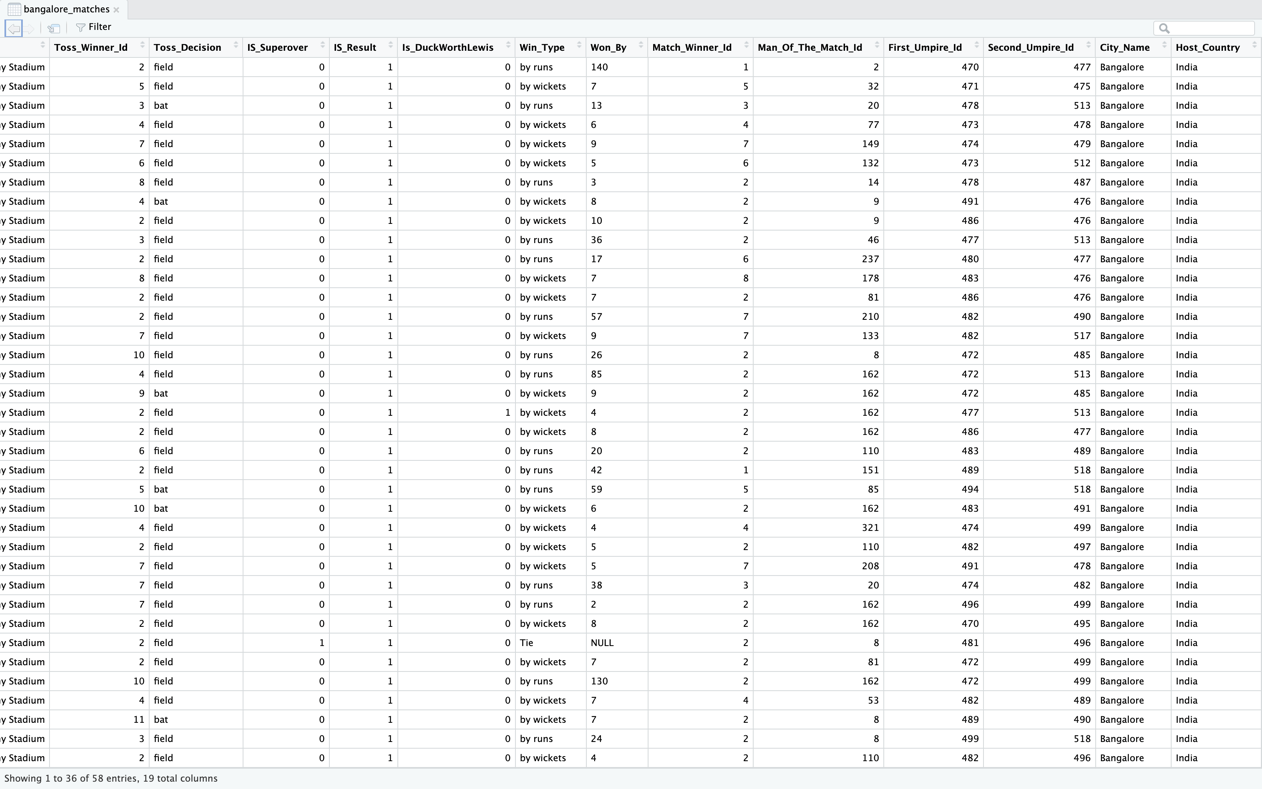


Code:

bangalore\_matches = data %>% filter(City\_Name == "Bangalore")

View(bangalore\_matches)

Output:

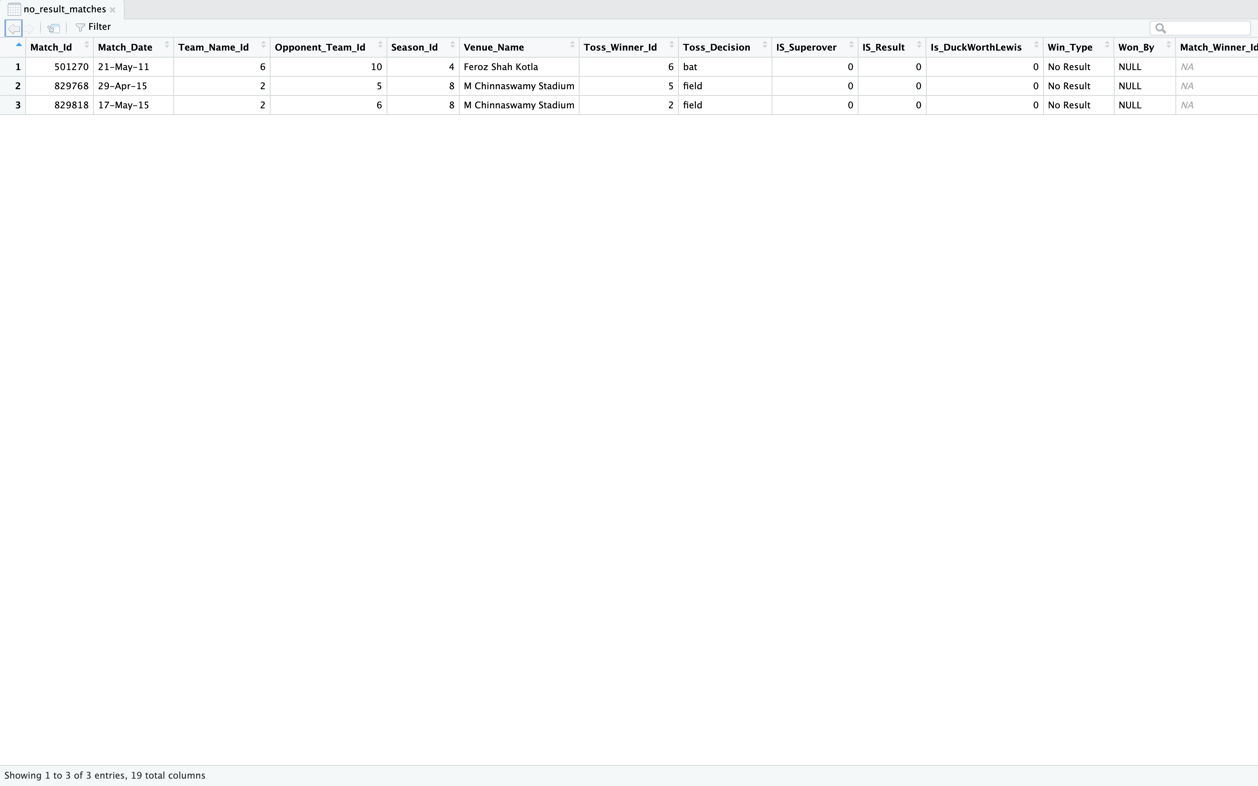


Code:

no\_result\_matches = data %>% filter(Win\_Type == "No Result")

View(no\_result\_matches)

Output:

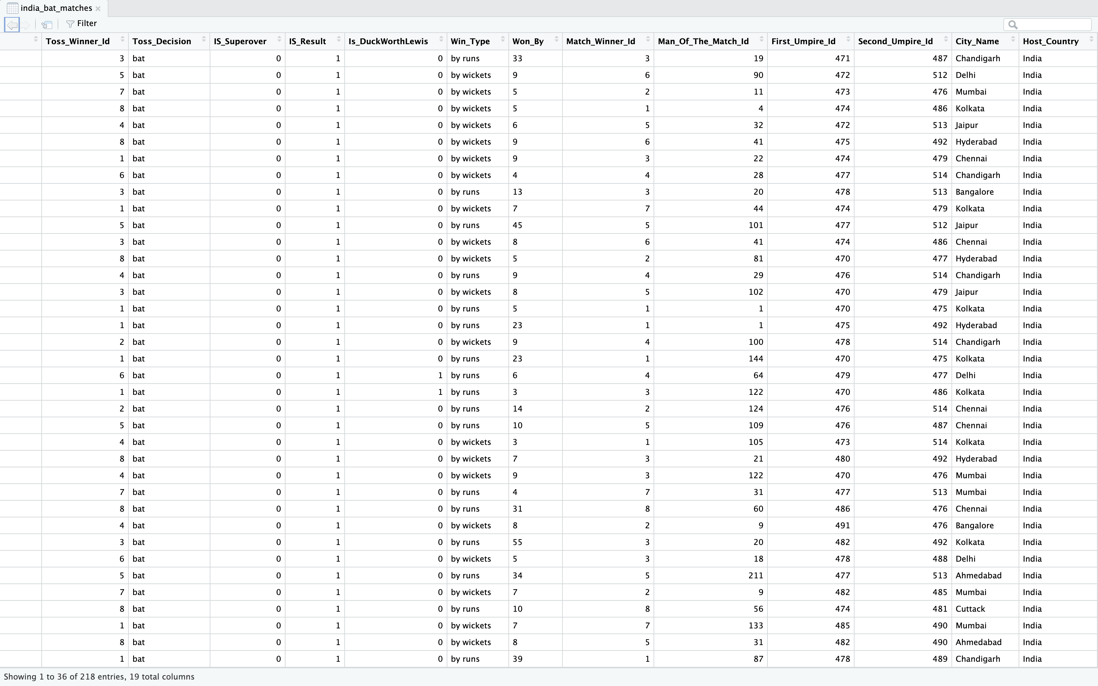


Code:

india\_bat\_matches = data %>% filter(Host\_Country == "India", Toss\_Decision == "bat")

View(india\_bat\_matches)

Output:



Code:

custom\_data = data.frame(

Name = c("Abhinav", "Tanush", "Sumathi"),

English = c(45, 67, 87),

Math = c(53, 65, 23)

)

gathered = custom\_data %>% gather("Course", "Marks", 2:3)

View(gathered)

Output:

A white rectangular object with a white border

Description automatically generated

Code:

spread = gathered %>% spread("Course", "Marks")

View(spread)

Output:

A white rectangular object with a white border

Description automatically generated

Code:

grouped = data %>% group\_by(Host\_Country) %>%

summarise(count = n())

View(grouped)

Output:

A white rectangular object with a white border

Description automatically generated

Code:

mutated = data %>% mutate(year=format(as.Date(data$Match\_Date, format="%d-%b-%y"), "%Y"))

View(mutated)

Output:

A screenshot of a computer

Description automatically generated