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#Name: Brian D. Farin
#Date: February 6th, 2020
#Program Name: Miami Dolphins Scoring RShiny App Using "dygraphs"
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#Step One: Obtain Data for Analysis
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#Step Two: Import the Data
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#Step Three: Filter the Data
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#Step Four: Deploy the UI, Server, and Application
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```
library(readr)
```

```
dolphins <- read_csv("stats.csv")
```

```
#Step Three: Analysis
```

```
library(dplyr)
```

```
#Removing the bye week from the dataset
```

```
dolphins <- dolphins %>%
  filter(Week != "5") %>%
  mutate(Points = Tm, OpponentPoints = Opp_1) %>%
  select(Week, Date, Points, OpponentPoints) %>%
  mutate(Date = as.Date(Date, format = "%B %d")) %>%
  mutate(Date = gsub("2020", "2019", Date)) %>%
  mutate(Date = as.Date(Date, format = "%Y-%m-%d"))
```

```
library(dygraphs)
```

```
library(shiny)
```

```
ui <- fluidPage(
  dygraphOutput("plot")
)
```

```
server <- function(input, output) {
```

```
  output$plot <- renderDygraph({
```

```
    dygraph(dolphins, main = "2019 Miami Dolphins: Points Scored and Opponent
      Points") %>%
    dyAxis("x", label = "Week", drawGrid = FALSE) %>%
    dyAxis("y", label = "Points") %>%
    dyOptions(includeZero = TRUE,
      axisLineColor = "navy",
```

```
    gridLineColor = "lightblue")  
  
  })  
  
}  
  
shinyApp(ui, server)
```