````
---
title: "week9"
output: html_document
date: "2024-02-06"
---

```{r setup, include=FALSE}
setwd("C:/Users/brean/OneDrive/Desktop/640/week9/breannaparkerdsc640week9")
knitr::opts_chunk$set(echo = TRUE)


```



```{r}
#load dataset 1
library(rlang)
library(readr)

data1 <- read.csv("costcos-geocoded.csv")
data1

```



```{r}
#load dataset 2
data2 <- read.csv("ppg2008.csv")
data2

```



```{r}
#removing the nonnumerical columns, plus a few more to make the data easier to read
df = subset(data2, select = -c(Name,G,MIN,PTS,FGM,FGA,FTM,FTA,FTP) )
df

```

```{r}
#heatmap!
my_colors<- colorRampPalette(c("purple", "pink"))
heatmap(as.matrix(df), Rowv = NA, Colv = NA, col = my_colors(100))

```
```{r}
#getting info from geo dataset

summary(data1[,c("Longitude","Latitude")])

```



```{r}
#registering my API
register_stadiamaps("ec8cf610-1ebf-4a6c-86e3-bbb92ccb14d0", write = FALSE)
````
````

```

```{r}
#making a map
library("ggmap")
library(ggplot2)


usa <- c(left = -125, bottom = 25.75, right = -67, top = 49)
get_stadiamap(usa, zoom = 5, maptype = "alidade_smooth") |> ggmap()

```


```{r}
#libraries
library("dplyr", warn.conflicts = FALSE)
library("forcats")
library(ggplot2)


# geospatial plot
qmplot(Longitude, Latitude, data = data1, maptype = "stamen_toner_lite", color =
I("black"))



```



```{r}
#lollipop chart

library(ggplot2)

df = data.frame(x = data2$Name,
                y = data2$G, replace = TRUE)

# Plot
ggplot(df, aes(x = x, y = y)) +
  geom_point() +
  geom_segment(aes(x=x, xend=x, y=0, yend=y),
               color = "blue", lwd = 1) +
  geom_point(size = 4) +
  coord_flip() +
  ggtitle("G by Name") +
  xlab("Names") + ylab("G Value")


```
```