Visualization Code

Qiaowei Jiang

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```
library(dplyr)
library(ggplot2)
library(ggcorrplot)
library(ggthemes)

team<-read.csv("C:/Users/admin/Desktop/Data Visulization/project/teams_stat.csv", header=TRUE)</pre>
```

1. cor for teams

2. cor for opponents

3. cor for team and oppot

4. Population Pyramid for Win and Lose team

5. cor for players

6. violin plot for positions

7.Pie chart

```
pie <- ggplot(play, aes(x = "", fill = factor(playPos))) +
    scale_fill_brewer(palette = "RdBu")+
    geom_bar(width = 1) +
    theme(axis.line = element_blank(),
        plot.title = element_text(hjust=0.5)) +
    labs(fill="class",
        x=NULL,
        y=NULL,
        title="Pie Chart of Player Positions")

pie + coord_polar(theta = "y", start=0)</pre>
```

8. Boxplot

```
g <- ggplot(play, aes(playPos, playPTS))
g + geom_boxplot(aes(fill=factor(playPos))) +
    theme(axis.text.x = element_text(angle=65, vjust=0.6)) +
    scale_fill_brewer(palette = "RdBu")+
    labs(title="Box plot",
        subtitle="Player Position vs Points scored by player",
        x="Player Position",
        y="playPTS")</pre>
```