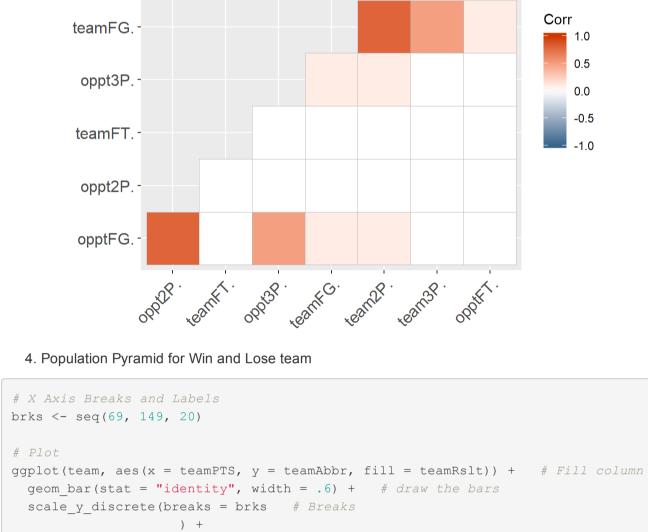
## team and player Qiaowei Jiang 2019/10/19 library(dplyr) ## Attaching package: 'dplyr' ## The following objects are masked from 'package:stats': ## ## filter, lag ## The following objects are masked from 'package:base': ## ## intersect, setdiff, setequal, union library(ggplot2) library (ggcorrplot) library(ggthemes) team<-read.csv("C:/Users/admin/Desktop/Data Visulization/project/teams stat.csv", header=TRUE)</pre> 1. cor for teams ###1. select(teamFG.,team2P.,team3P.,teamFT.,teamTREB.,teamASST.,teamTS.,teamEFG.,teamOREB.,teamDREB.,teamTO.,teamS TL., teamBLK., teamPlay.) corr.1 <- round(cor(metrixs), 1)</pre> # Visualize the correlation matrix (Get the lower triangle) ggcorrplot(corr.1, method = "circle", hc.order = TRUE, type = "lower", colors = c( "steelblue4", "white", "oranger outline.col = "white",title='Correlation Matrix for key Metrics') Correlation Matrix for key Metrics teamFG. teamTS. teamPlay. team2P. Corr teamFT. 1.0 teamDREB. 0.5 teamOREB. 0.0 teamTREB. -0.5 teamSTL. -1.0 teamASST. team3P. teamTO. teamBLK. 2. cor for opponents ###2. metrixs opp=team %>% select(opptFG.,oppt2P.,oppt3P.,opptFT.,opptTREB.,opptASST.,opptTS.,opptEFG.,opptOREB.,opptDREB.,opptTO.,opptS TL.,opptBLK.,opptPlay.) corr.2 <- round(cor(metrixs opp), 1)</pre> # Visualize the correlation matrix (Get the lower triangle) ggcorrplot(corr.2, method = "circle", hc.order = TRUE, type = "lower", colors = c( "steelblue4", "white", "oranger outline.col = "white",title='Correlation Matrix for key Metrics of Opponent') Correlation Matrix for key Metrics of Opponent opptFG. opptTS. opptPlay. oppt2P. Corr opptTREB. 1.0 opptFT. 0.5 opptBLK. 0.0 opptASST. -0.5 oppt3P. opptDREB. opptTO. opptSTL. opptOREB. 3. cor for team and oppot ###3. metrixs with=team %>% select(teamFG.,team2P.,team3P.,teamFT.,opptFG.,oppt2P.,oppt3P.,opptFT.) corr.3 <- round(cor(metrixs\_with), 1)</pre> # Visualize the correlation matrix (Get the lower triangle) ggcorrplot(corr.3, hc.order = TRUE, type = "lower", ggtheme = ggplot2::theme\_gray, colors = c( "steelblue4", "white", "orangered3"), title='Correlation Matrix for key Metrics between Two Teams') Correlation Matrix for key Metrics between Two Teams team3P.team2P.-Corr teamFG.-1.0 0.5 oppt3P.--0.5 teamFT.--1.0 oppt2P.-





Win

Corr

1.0

0.5

0.0

HOU



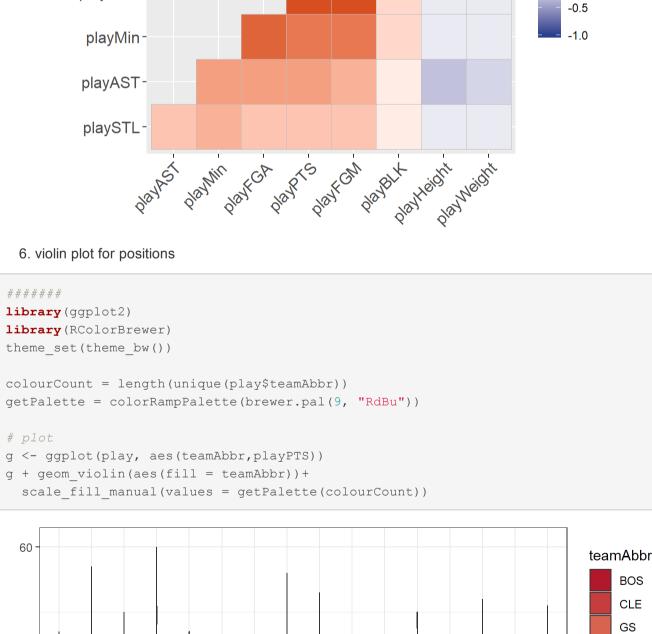
playHeight-

playBLK-

playFGM-

playPTS-

playFGA-







pie <- ggplot(play, aes(x = "", fill = factor(playPos))) +</pre>

0

