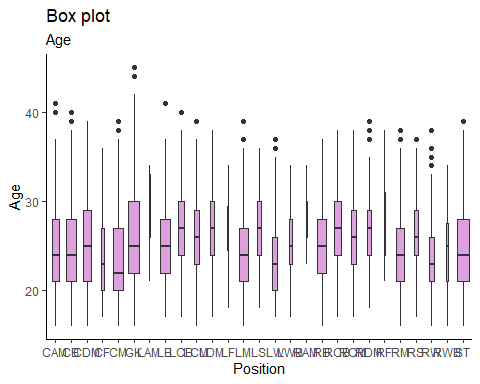
3\_visualization.r

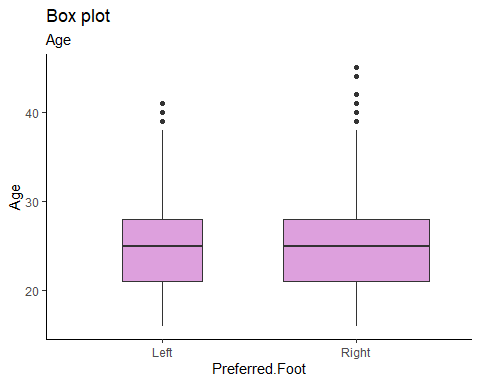
abhia

2019-11-13

fifa = read.csv("1\_cleaned\_data.csv")  
library(ggplot2)  
theme\_set(theme\_classic())  
options(scipen = 999)  
  
# BOXPLOT OF AGE VS POSITION  
print(ggplot(fifa, aes(Position, Age)) + geom\_boxplot(varwidth=T, fill="plum") + labs(title="Box plot",   
 subtitle="Age"))



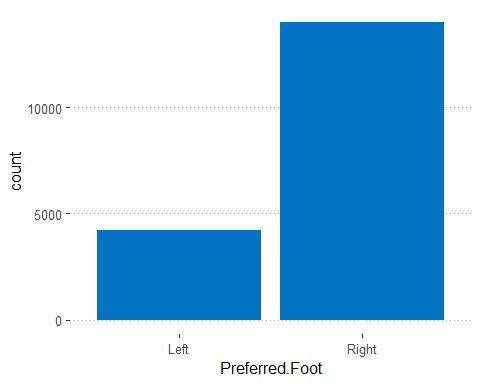
# BOXPLOT OF AGE VS PREFERRED FOOT  
print(ggplot(fifa, aes(Preferred.Foot, Age)) + geom\_boxplot(varwidth=T, fill="plum") + labs(title="Box plot",subtitle="Age"))



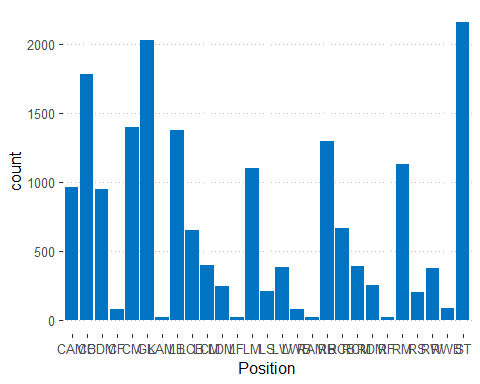
# FREQUENCY GRAPH FOR PREFFERED FOOT  
library("ggpubr")

## Loading required package: magrittr

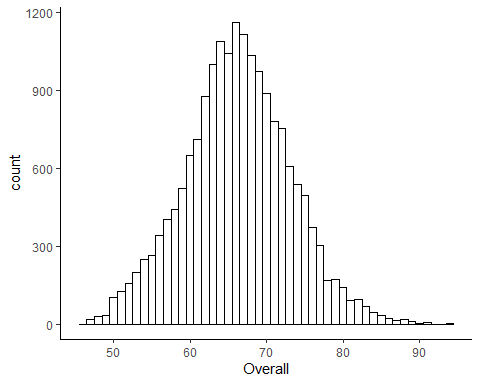
print(ggplot(fifa, aes(Preferred.Foot)) +geom\_bar(fill = "#0073C2FF") +theme\_pubclean())



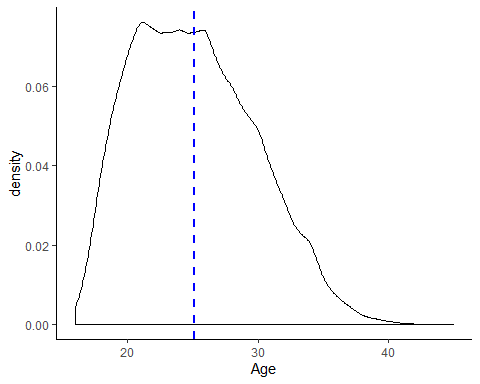
# FREQUENCY GRAPH FOR POSITION  
print(ggplot(fifa, aes(Position)) +geom\_bar(fill = "#0073C2FF") +theme\_pubclean())



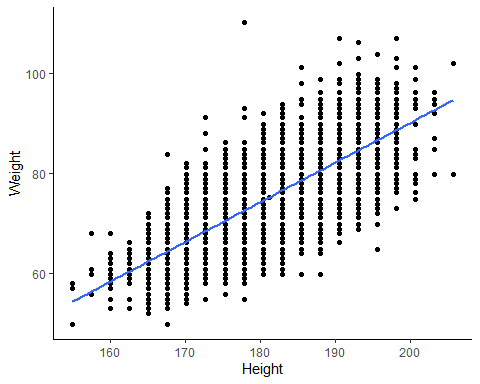
# HISTOGRAM ON JERSEY NUMBER  
ggplot(fifa, aes(x=Overall)) + geom\_histogram(binwidth=1, color="black", fill="white")



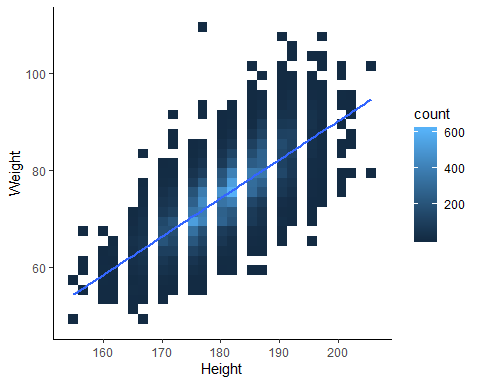
# DENSITY PLOT OF AGE  
print(ggplot(fifa, aes(x=Age)) + geom\_density()+geom\_vline(aes(xintercept = mean(Age)),color="blue", linetype="dashed", size=1))



#SCATTER PLOT FOR HEIGHT VS WEIGHT  
print(ggplot(fifa, aes(x=Height, y =Weight)) + geom\_point() + geom\_smooth(method = lm))

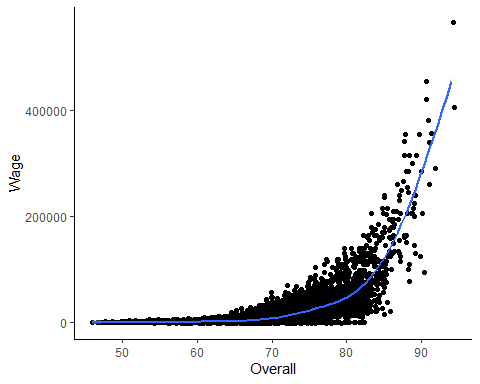


print(ggplot(fifa, aes(x=Height, y =Weight)) + geom\_bin2d()+geom\_smooth(method = lm))



#SCATTER PLOT FOR OVERALL VS WAGE  
print(ggplot(fifa, aes(x=Overall, y =Wage)) + geom\_jitter()+geom\_smooth()) +theme\_cleveland()

## `geom\_smooth()` using method = 'gam' and formula 'y ~ s(x, bs = "cs")'



## `geom\_smooth()` using method = 'gam' and formula 'y ~ s(x, bs = "cs")'

