```
title: "OKC Thunder Internship Applicant" author: "Alexander Rich" date: "October 24th, 2022"
shots <- read.file("shots_data (1).csv")</pre>
## Reading data with read.csv()
newDataSet <- shots %>%
  mutate(C3 = ifelse(abs(x)) \le 22 \& abs(y) \le 7.8, 1, 0)) \%
  mutate(NC3 = ifelse(x^2 + y^2 > (23.75^2) & C3 == 0, 1, 0)) \%
  mutate(PT2 = ifelse(NC3 != 1 & C3 != 1, 1, 0))
teamA <- newDataSet %>%
  filter(team == "Team A")
teamB <- newDataSet %>%
  filter(team == "Team B")
sumsA <- c(sum(teamA$NC3),sum(teamA$C3),sum(teamA$PT2))</pre>
sumsB <- c(sum(teamB$NC3),sum(teamB$C3),sum(teamB$PT2))</pre>
totalA <- 68+18+194
percA <- sumsA/totalA</pre>
head(percA)
## [1] 0.24285714 0.06428571 0.69285714
totalB <- 62+11+151
percB <- sumsB/totalB</pre>
head(percB)
## [1] 0.27678571 0.04910714 0.67410714
#now you have to find the effective field goal percentage below
teamAMade <- teamA %>%
  group_by(fgmade) %>%
  summarise(sum(NC3), sum(C3), sum(PT2))
teamBMade <- teamB %>%
  group_by(fgmade) %>%
  summarise(sum(NC3), sum(C3), sum(PT2))
efgANC3 <- (21+(21*.5))/68
efgAC3 \leftarrow (9+(9*.5))/18
efgAPT2 \leftarrow (95/194)
efgBNC3 <- (21+(21*.5))/62
efgBC3 \leftarrow (4+(4*.5))/11
efgBPT2 <- (67/151)
Solutions for eFGs:
eFG% for Team A: Non Corner 3: 0.463 Corner 3: 0.750 Two Point: 0.490
eFG% for Team B: Non Corner 3: 0.508 Corner 3: 0.545 Two Point: 0.444
```