“Homework5” Justin Minsk

nba <-read.csv("http://math.mercyhurst.edu/~sousley/STAT\_139/data/nba\_draft.csv", header=T)

# get the data

balls <- nba$Balls

# get the balls in their own array

teams <- nba$Team

# get the teams in their own array

sum(balls)

# get the sum

balls <- balls/1000

# turn the numbers into prob. (0:1)

# Golden State, Chicago, Memphis, Denver, Houston, Cleveland, New York, Atlanta, Phoenix, Miami, Washington, L.A. Clippers Milwaukee

# 0.225 0.225 0.157 0.120 0.089 0.064 0.044 0.029 0.015 0.014 0.007 0.006 0.005

sample(teams, size = 1, prob = balls)

# sample of the teams with prob. of balls

sample(teams, size = 10, prob = balls, replace = T)

# to speed up trying to get golden state

# Golden State was the first draw

hist(sample(c(1:13), size = 1000, prob = balls, replace = T))

# an example of the break down of prob.

# the data is right tailed, but is just how the data is organized

