# ex1

max.temp <- c(5, 6, 3, 8, 10, 10, 10) # barchart with added parameters barplot(max.temp, main = "Data science skill for Jason G. Yoon", xlab = "score", ylab = "skills", names.arg = c("coding", "math", "A.I", "statistics", "business", "ethics", "joke"), col = "darkred", horiz = TRUE)

#ex2 hello <-rchisq(10000000, df=2) hist(hello) mean(hello) sd(hello)

hellosample <-rchisq(50, df=2) hist(hellosample) head(hellosample) mean(hellosample)

xbar_holder1 = numeric(simulations) # This will hold all the sample means for the first distribution. for (i in 1:10000) { hellosample <-rchisq(50, df=2) xbar1 = mean(hellosample) xbar_holder1[i] = xbar1 } hist(xbar_holder1) sd(xbar_holder1)

#ex3. six steps of T test t.test(xbar_holder1, mu=3)

#ex4 #1. is data democratization good? #2. is human factor is the bottle neck of data science?