

Stat135HW7

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```
data1 = data <- read.table(file = "/Users/Leomart/Desktop/Stat135/icea.txt",
                           header = FALSE, sep = ",")
data2 = data <- read.table(file = "/Users/Leomart/Desktop/Stat135/iceb.txt",
                           header = FALSE, sep = ",")

ice_a = data1$V1
ice_b = data2$V1

difference_avg = c()
for (i in 1:1000){
  sample_a = sample(ice_a, replace = TRUE)
  sample_b = sample(ice_b, replace = TRUE)
  diff = mean(sample_a) - mean(sample_b)
  difference_avg = c(difference_avg, diff)
}

sd(difference_avg)

## [1] 0.01166293
```