Sri Lanka Institute of Information Technology



Lab Submission
Lab sheet No 08

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Probability and Statistics | IT2120

B.Sc. (Hons) in Information Technology

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(a) IT24100036 Lab Sheet 08.R ×
  Run 🖭 🕆 🖟 🕒 Source 🕶
  4 data<- read.table("Exercise - LaptopsWeights.txt" , header = TRUE)
       fix(data)
      attach(data)
     pop_mean <- mean(Weight.kg.)
pop_sd <- sd(Weight.kg.)</pre>
 13
 14
     samples <- c()
sample_names <- c()
 15
 16
 18 s <- sample(weight.kg., 6, replace=TRUE)
19 samples <- cbind(samples, s)
20 sample_names <- c(sample_names, paste("s", i))
21 }
 23 colnames(samples) <- sample names
 26
27
     sample_means <- apply(samples, 2, mean)
sample_sds <- apply(samples, 2, sd)</pre>
 28
     mean_of_sample_means <- mean(sample_means)
sd_of_sample_means <- sd(sample_means)</pre>
 30
 31
32
       pop_mean
       pop_sd
mean_of_sample_means
 33
  35
       sd_of_sample_means
```



