LAB 07

IT24100905

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  1 setwd("C:\\SLIIT\\IT2120 PS\\Labs\\Lab 9")
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      getwd()
                                                                          values
   3
                                                                            baking_time | num [1:25] 42.1 43.7 45.7 43.4 ...
   4 # Exercise 1
   5 # Part 1
   6 baking_time <- rnorm(25, mean = 45, sd = 2)</pre>
   9 t.test(baking_time, mu = 46, alternative = "less")
  10
  11
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R 4.5.1 · H:/SLIIT/2nd Year/1st Sem/PS/Labs/LAB 09/TT/
R version 4.5.1 (2025-06-13 ucrt) -- "Great Square Root"
Copyright (C) 2025 The R Foundation for Statistical Computing
Platform: x86_64-w64-mingw32/x64
                                                                          Files Plots Packages Help Viewer Presentation
R is free software and comes with ABSOLUTELY NO WARRANTY.
                                                                          You are welcome to redistribute it under certain conditions. Type 'license()' or 'licence()' for distribution details.
  Natural language support but running in an English locale
R is a collaborative project with many contributors. Type 'contributors()' for more information and
'citation()' on how to cite R or R packages in publications.
Type 'demo()' for some demos, 'help()' for on-line help, or
'help.start()' for an HTML browser interface to help.
Type 'q()' to quit R.
> getwd()
[1] "H:/SLIIT/2nd Year/1st Sem/PS/Labs/LAB 09/TT"
> # Exercise 1
> # Part 1
> baking_time <- rnorm(25, mean = 45, sd = 2)</pre>
> t.test(baking_time, mu = 46, alternative = "less")
        One Sample t-test
data: baking_time
t = -4.0649, df = 24, p-value = 0.0002236
alternative hypothesis: true mean is less than 46
95 percent confidence interval:
     -Inf 44.97548
sample estimates:
mean of x
 44.23088
```