

Probability and Statistics - IT2120

Labsheet 09

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```
1 setwd("C:\\Users\\malsh\\Desktop\\IT24101981")
2
3 y<-rnorm(25,mean=45,sd=2)
4
5 t.test(y,mu=46,alternative ="less")
```

Console Terminal x Background Jobs x

R 4.5.1 · C:/Users/malsh/Desktop/IT24101981/ ↗

Creating a new R script or R package in RStudio.

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.

```
> setwd("C:\\Users\\malsh\\Desktop\\IT24101981")
> y<-rnorm(25,mean=45,sd=2)
> t.test(y,mu=46,alternative ="less")
```

one sample t-test

```
data: y
t = -4.1782, df = 24, p-value = 0.0001678
alternative hypothesis: true mean is less than 46
95 percent confidence interval:
 -Inf 45.06341
sample estimates:
mean of x
 44.41397
```

```
> |
```