

Liyanage R.J.P

IT24104099

PS Lab 09

```
#1
#random sample of size 25 for the baking time
sample <- rnorm(25, mean =45, sd =2)

#2
# Test whether the average baking time is less than 46 minutes at a 5% level of significance.
t.test (sample, mu=46, alternative = "less")
|
```

```
>
> #1
> #random sample of size 25 for the baking time
> sample <- rnorm(25, mean =45, sd =2)
>
> #2
> # Test whether the average baking time is less than 46 minutes at a 5% level of significance.
> t.test (sample, mu=46, alternative = "less")

      One Sample t-test

data:  sample
t = -2.3906, df = 24, p-value = 0.01251
alternative hypothesis: true mean is less than 46
95 percent confidence interval:
 -Inf 45.72489
sample estimates:
mean of x
 45.03245
```