

Sri Lanka Institute of Information Technology



Lab Submission Lab sheet No 9

IT24102268

Aluthge M.N

Probability and Statistics - IT2120

B.Sc. (Hons) in Information Technology

Exercise

1)

i)

ii)

```
> #Exercise  
> # 1)  
> #i)  
> baking_time <- rnorm(25, mean = 45, sd = 2)  
> #ii)  
> t.test(baking_time, mu = 46, alternative = "less")
```

One Sample t-test

```
data:  baking_time  
t = -1.4168, df = 24, p-value = 0.0847  
alternative hypothesis: true mean is less than 46  
95 percent confidence interval:  
-Inf 46.13098  
sample estimates:  
mean of x  
45.36899
```