

## Probability and Statistics - IT2120

### Labsheet 09

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```
1 setwd("E:\\IT24101734")
2
3 y<-rnorm(25,mean=45,sd=2)
4
5 t.test(y,mu=46,alternative ="less")
```

R 4.5.1 · E:/IT24101734/

```
> setwd("E:\\IT24101734")
> y<-rnorm(25,mean=45,sd=2)
> t.test(y,mu=46,alternative ="less")
```

one sample t-test

```
data: y
t = -4.1048, df = 24, p-value = 0.0002021
alternative hypothesis: true mean is less than 46
95 percent confidence interval:
 -Inf 45.21138
sample estimates:
mean of x
 44.64777

> |
```