

IT2120- Probability and Statistics

Lab Sheet 09

IT24103165

```
> setwd("C:\\Users\\AIP Manjula\\Desktop\\PS Lab 9")
> getwd()
[1] "C:/Users/AIP Manjula/Desktop/PS Lab 9"
> y<-rnorm(25,mean=45,sd=2)
> t.test(y,mu=46,alternative="less")
```

One Sample t-test

```
data: y
t = -2.0878, df = 24, p-value = 0.0238
alternative hypothesis: true mean is less than 46
95 percent confidence interval:
 -Inf 45.87061
sample estimates:
mean of x
45.28331
```