IT24103927

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IT2120 - Probability and Statistics

Lab Sheet 9

Exercise

Part 1

```
> #Part_01
> 
set.seed(123)
> sample_data <- rnorm(25, mean = 45, sd = 2)
> sample_data
[1] 43.87905 44.53965 48.11742 45.14102 45.25858 48.43013 45.92183 42.46988
[9] 43.62629 44.10868 47.44816 45.71963 45.80154 45.22137 43.88832 48.57383
[17] 45.99570 41.06677 46.40271 44.05442 42.86435 44.56405 42.94799 43.54222
[25] 43.74992
```

Part 2

```
#Part_02

t.test(sample_data, mu = 46, alternative = "less", conf.level = 0.95)
```