## IT24100637 - PS - Lab 09

- 1. Assume that the time taken to bake a batch of cookies is normally distributed with mean 45 minutes and standard deviation 2 minutes.
- i. Generate a random sample of size 25 for the baking time.

```
3
4 #1
5 times <- c(44, 47, 45, 46, 43, 45, 44, 48, 46, 47, 45, 46, 44, 45, 47, 46, 45, 44, 46, 47, 45, 46, 44, 45, 46)

> #1
> times <- c(44, 47, 45, 46, 43, 45, 44, 48, 46, 47, 45, 46, 44, 45, 47, 46, 45, 44, 46, 47, 45, 46, 44, 45, 46)
```

ii. Test whether the average baking time is less than 46 minutes at a 5% level of significance.