Sri Lanka Institute of Information Technology

Lab Submission
Lab sheet 09

IT24103021

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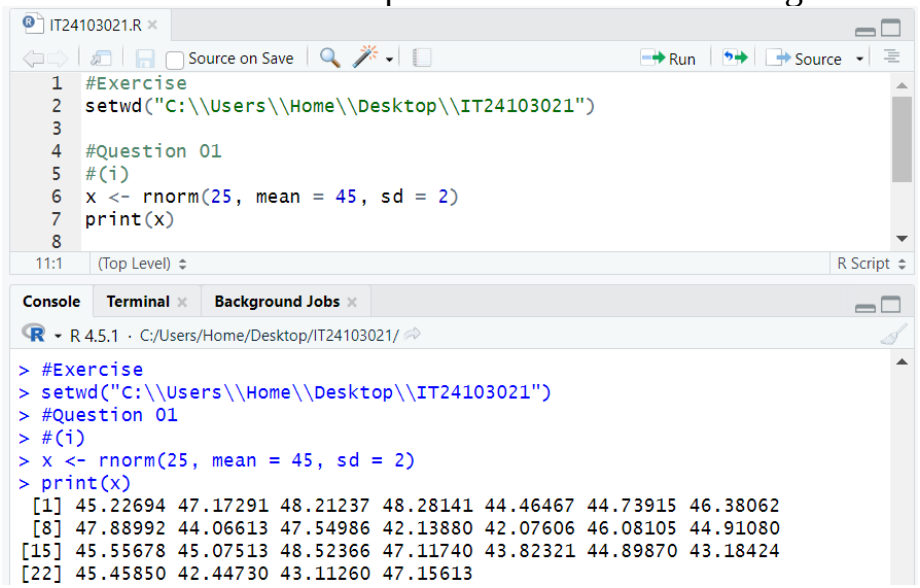
Probability and Statistics - IT2120

B.Sc. (Hons) in Information Technology

Exercise

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.



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