Probability and Statistics

Madhusanki K.D.P.

Lab Sheet 09

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.

Generate a random sample of size 25 for the baking time.

A screenshot of a computer

AI-generated content may be incorrect.

A black numbers and blue text

AI-generated content may be incorrect.

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

significance.

