**Probability and Statistic**

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

A close-up of numbers

AI-generated content may be incorrect.

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

A screenshot of a computer code

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