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Quiz: Bernoulli Distribution and

[Course](#) > [3.0 Logistic and Softmax Regression](#) > [3.2 Training Logistic Regression](#) > Maximum Likelihood Estimation

Quiz: Bernoulli Distribution and Maximum Likelihood Estimation

Instructions for Graded Review Questions

How much time do I have to complete these questions?

Unlimited. You can take as long you want to answer these questions.

Can I go back to the videos to check something, then come back to these Review Questions?

Yes, absolutely! These questions are for you to review what you've learned so far. Take your time.

Do these Review Questions count towards my final grade?

Yes, all of the review questions, combined together, are worth 50% of your total mark.

How many chances do I get to answer these questions?

It depends:

- For True/False questions, you only get one (1) chance.
- For any other question (that is not True/False), you get two (2) chances.

How can I check my overall course grade?

You can check your grades by clicking on "Progress" in the top menu.

Multiple Choice

1/1 point (graded)

Consider the following sequence of Bernoulli distributed coin flips:

{Heads,Heads,Tails,Heads,Tails,Tails}

Let theta be the parameter describing the probability of heads. Given the following choice, what value of Theta would you select?

☐ Theta=0

☒ Theta=0.5

☐ Theta=1



Submit

You have used 1 of 2 attempts

✓ Correct (1/1 point)

Multiple Choice

1/1 point (graded)

To estimate the parameters, Bernoulli distributed what is true.

☐ Taking the log changes the location of the parameter that maximises the likelihood

☒ We take the log of the likelihood function because it's simpler to maximise



Submit

You have used 1 of 2 attempts

✓ Correct (1/1 point)

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