Unit 6 - Week 4

Register for Certification exam

Course outline

How to access the portal

Pre-requsite - Assignment

Week 1

Week 2

Week 3

Week 4

- Deep Learning Part - II (CS7015): Lec 18.6 Computing the gradient of the log likelihood
- Deep Learning Part - II (CS7015): Lec 18.7 Motivation for Sampling
- Deep Learning Part - II (CS7015): Lec 18.8 Motivation for Sampling - Part - 02
- Deep Learning Part - II (CS7015): Lec 19.1 Markov Chains
- Deep Learning Part - II (CS7015): Lec 19.2 Why de we care about Markov Chains ?
- Quiz : Assignment 4
- Week 4 Feedback Form
- Week 4 Lecture Material
- Assignment 4 solutions

Week 5

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Assignment 4

The due date for submitting this assignment has passed.
As per our records you have not submitted this assignment.

Due on 2019-03-27, 23:59 IST.

1) *1 point*

Now consider the following statements with respect to the above defined Markov Chain:
Statement 1 : It is a Time homogeneous Markov Chain
Statement 2 : It is a Discrete Time Markov Chain
Statement 3 : It is a Discrete Space Markov Chain
Statement 4 : Its Transition matrix is a symmetric matrix
Statement 5 : There exists a Stationary distribution for this Markov Chain

Which of the following is the correct option with respect to the Markov Chain defined above

- Only statements (1), (2) and (3) are True
- Only statements (2), (3) and (4) are True
- Only statements (2), (3) and (5) are True
- Only statements (1), (2), (3) and (4) are True
- All statements are True

No, the answer is incorrect.
Score: 0

Accepted Answers:
Only statements (1), (2), (3) and (4) are True

2) *1 point*

No, the answer is incorrect.
Score: 0

Accepted Answers:

3) *1 point*

No, the answer is incorrect.
Score: 0

Accepted Answers:

4) *1 point*

No, the answer is incorrect.
Score: 0

Accepted Answers:

5) *1 point*

Which of the following options is the correct transition diagram for the above defined Markov Chain?

No, the answer is incorrect.
Score: 0

Accepted Answers:

6) *1 point*

- Yes, there is a 1 absorbing state
- Yes, there are 2 absorbing states
- Yes, there are 3 absorbing states
- No, there are no absorbing states

No, the answer is incorrect.
Score: 0

Accepted Answers:
Yes, there are 2 absorbing states

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