

AQ_19 April 2020

Total points 10/10

The respondent's email address (jaiswal.5@iitj.ac.in) was recorded on submission of this form.

✓ How many instances are required to find the variance of a RP? * 2/2



1



2



3



4

✓ A random process is called uncorrelated if * 2/2



Covariance is zero for any two instances



Covariance is zero for all possible pairs of instances



Correlation Coefficient is zero for any two instances



Correlation Coefficient is zero for all possible pairs of instances



✓ In Statistical Technique class, your attendance is modeled as a Markov process. If you are present in the class, you get motivated and there are 90% chances that you will attend the next class. However, if you are absent, you get demotivated and there are 60% chances that you will attend the next class. Suppose you attended today's class, then answer the following: What are your chances that you will attend fourth class correct to three decimal places (assume that today's lecture is the first class) *

2/2

☒ 0.861☐ 0.858☐ 0.870☐ 0.845

✓ In the previous question, what are your chances of attending class in the long run? Give your answer correct to two decimal places with chopping off. *

2/2

0.85



✓ Which of the following are possible probability vectors for a Markov Chain problem? *

2/2

☒ [0.5 0.5]☐ [0.5 0.5 0.5]☒ [0 0 0 1 0]☒ [0.33 0.28 0.05 0.15 0.19]

Google Forms

