

Assignment 1

Methods of PCA, MDS and Isomap

DD2434 ADVANCED MACHINE LEARNING
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2.1 Dependencies in a Directed Graphical Model

Question 2.1.1:

In the graphical model of Figure ??, is $\mu_{r,c} \perp \mu_{r,c+1}$?

Answer: No, $\mu_{r,c}$ and $\mu_{r,c+1}$ are dependent.

Question 2.1.2:

In the graphical model of Figure ??, is $X_{r,c} \perp X_{r,c+1} \parallel \{\mu_{r,c}, \mu_{r,c+1}\}$?