



LMT

(An online tutor who teaches you as a friend)

www.lastmomenttutions.com

Notes

Machine Learning

Notes by LMT

Note:

- Please refer index
- Index me sab Questions ke answer ke page no. diye hai
- Page no. Header page ko chod ke he hai

Best of luck

for your Exams 😊

Module 1

- 1. What are the issues in Machine Learning? (Page 8-9)**
- 2. Machine Learning Applications. (Page 11-13)**
- 3. What are the Key tasks of Machine Learning? (Page 2-6)**
- 4. What is Machine Learning? (Page 1) Explain how supervised learning is different from unsupervised learning. (Page 7)**
- 5. Explain steps in developing Machine Learning Applications. (Page 10)**

Module 2

- 1. Explain Regression line, Scatter Plot, Error in Prediction and Best Fitting Line. (Page 2-4)**
- 2. Explain Concept Behind Linear Regression. (Page 5-7)**
- 3. Short note on Logistic Regression. (Page 8-12)**

Module 3

- 1. Issues in Decision Tree. (Page 7)**

Module 4

- 1. What is SVM? (Page 1-3) How to compute the margin? (Page 5)**
- 2. Key Terminology of SVM. (Page 3-5 // Tuning Parameters)**
- 3. Quadratic Programming Solution for finding maximum margin separation in SVM. (Page 6, then on Page 5 consider the Lagrangian Part)**
- 4. What is SVM? Explain Hyperplane, Separating Hyperplane, Margin & Support Vectors with example. (Page 1-6)**

Module 5

- 1. Short note on Hidden Markov Model. (Page 11-17)**
- 2. Explain with suitable example the advantages of Bayesian Approach over classical approaches to probability. (Page 5)**
- 3. Classification using Back Propagation Algorithm. (Page 8-11)**
- 4. Explain classification using Bayesian Belief Network with an example. (Page 6-8)**
- 5. Explain Bayes Theorem. (Page 5-6)**

Module 6

- 1. Explain in detail PCA for Dimension Reduction. (Page 3-10)**
- 2. Describe the two methods for reducing dimensionality. (Page 1-2 //before subset selection part)**

Module 7

- 1. State the essential steps of K-means algorithm for clustering analysis. (Page 1)**
- 2. Short note on Hierarchical Clustering Algorithm. (Page 2)**

Module 8

- 1. Explain in detail Temporal Difference Learning. (Page 5)**
- 2. What is Reinforcement Learning? Explain it with example. (Page 1)**
- 3. Model Based Learning. (Page 3-4)**
- 4. Explain Reinforcement Learning in detail along with various elements involved in forming the concept. Also define what is meant by partially observable state. (Page 1-3)**

Thank you so much 😊
videos and notes dekhne ko

if you have any doubt
you can contact us at

website: www.lastmomenttutions.com

email: lastmomenttutions@gmail.com

whatsapp: 7038604912

facebook: www.facebook.com/lastmomenttution

Instagram: www.instagram.com/last_moment_tutions

Strongly suggest to see
Sandeep maheshwari
videos



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