

Machine Learning Lab (20CDL305)

Nov
+ Home

1. Implement and Demonstrate the F100-5 algorithm - 3
2. Implement and Demonstrate the Candidate-Elimination Algorithm - 3
3. Demonstrate the working of the Decision Tree based ID3 algorithm - 3
4. Exercise to solve

a) Linear Regression
b) Logistic Regression
c) Binary Classifier

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5. Develop a program for Bias, Variance, Residuals, cross validation - 3
6. Write a program to Categorical Encoding, one-hot encoding - 3
7. Implementing the Back propagation algorithm - 3
8. Implementing K-Nearest Neighbor algorithm - 3
9. Implementing the Non-parametric locally weighted Regression algorithm - 3
10. Implementing Naive Bayesian Classifier model - 3
11. EM algorithm to cluster a Heart Disease Data set
K-Means algorithm - 3
12. Exploratory Data Analysis for classification using pandas & Matplotlib - 3
13. Construct a Bayesian Network considering medical data - 3
14. Implement Support Vector Machine and PCA - 3
15. Implement PCA - 3

[Signature]