

## T.Y.B.Sc (Computer Science) Paper 4

### Unit 4

Sums on decision tree	
Sums on linear regression	
Write a note on Overfitting <ul style="list-style-type: none"><li>• under fitting</li></ul> lazy learners and Eager Learners <ul style="list-style-type: none"><li>•</li></ul>	
Debate on supervised and unsupervised learning	
List and explain common errors while developing machine learning algorithm?	
justify the importance of training and testing data with respect to data science.	
explain the following statement and find out type 1 and type 2 errors. (Refer ppt )Also discuss what is the role of type 1 and type 2 errors.	
Confusion matrix sums (refer PPT)	
Write a note on overfit , underfit and perfect fit with examples	
Short note on confusion matrix	
compare supervised and unsupervised learning	
compare polynomial regression and linear regression	
Find common errors while developing machine learning algorithm?	
compare logistic regression and linear regrssion	
Justify role of lazy learners and Eager Learners	
justify the importance of training and testing data with respect to data science.	
Write application areas of logistic regression	
Write applications of polynomial regression	