Machine Learning - Set 3

This quiz intends to test your knowledge around data mining procedures used with classification trees, logistic regression etc.

Q: Which of the following technique represents data mining procedure that tailors models to work specifically for the given training data set only?

- Generalization
- Overfitting

Q: The test data set which is used to evaluate the model is typically called as _____

- holdoff dataset
- holdout dataset

Q: Tree-structure models could be used for _____

- Classification models
- Regression models
- Both of the above
- None of the above

Q: In tree-structured models, the data should be continued to split into segments until the data instances belonging to a particular instance is _____

- Pure
- All instances have same value for target variable
- Both of the above

Score Card

Total no. of questions: 0

No. of questions attempted: 10

Show Score

Show Answers

Q: In tree-structured models, the notion of growing trees until the leaf nodes are pure represents the case of _____

- ○ Generalization
- ◉ Overfitting
- ○ Both of the above
- ○ None of the above

Q: Laplace correction is used with which of the following?

- ◉ Tree-structured models
- ○ Parametric models

Q: Which of the following technique is used to avoid overfitting when creating a model?

- ○ Overfitting
- ○ Cross-validation
- ◉ Both of the above
- ○ None of the above

Q: The plot of generalization performance against the amount of training data is called as _____

- ◉ Learning curve
- ○ Fitting curve

Q: For smaller datasets, logistic regression models tends to provide inferior generalization performance than tree-structured models

- ○ True
- ◉ False

Q: Linear discriminant function can be created using a standard equation of straight line

- ◉ True
- ○ False