

Machine Learning and Data mining

Serie 4. Decision Tree

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1. Take the titanic dataset and use all attributes to predict the class 'Survived' with a Decision tree classifier. (convert age and fare into classes ; exclude names from the attribute list)
 - (a) Find the best tree depth for the model
2. Build a Decision tree model with your selected stock / market index determine the number attributes that is capable of giving the best prediction of 'daily returns'. ('daily returns' must first be converted into a decision class that will be used as the target(label))
 - (a) Find the best tree depth for the model with the selected attributes.