Machine Learning and Data mining
Serie 6. Decision Tree

Prof. J. Savoy

November 8, 2021

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.