Analytics II: Homework 1

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Instructions for HW1

- Your HW #1 is now available on Canvas.
- Download the dataset from the Folder "Homeworks/HW1"
- The bank-full.csv file has 45211 records
- The bank-names.txt file is a 'readme' file that has information about the variables
- The data is related to direct marketing campaigns of a Portuguese banking institution.
- Your goal is to predict if the client will sign up for a term deposit (variable y).
- Build a decision tree model and a random forest model

Instructions for Submission

1. Submit working R code as a .R file or submit an html notebook generated using R
2. The decision tree code should contain (1) results of the decision tree model, (2) a confusion matrix, and (3) a decision tree plot
3. The random forest code should contain (1) results of the random forest model and (2) a confusion matrix
4. For the decision tree model, use 2/3rd of the records for training the model and 1/3rd of the records for testing the model.
5. Use the Assignments link from canvas to turn in the homework.
6. Deadline is Jan 31st 2017.
7. Late submissions are not allowed.