

Assignment 2 Readme

Folder Structure:

Assignment 2:

Source Files

R

Assignment2.R
training_set1.csv
validation_set1.csv
test_set1.csv
training_set2.csv
validation_set2.csv
test_set2.csv

Java

Main.java
training_set1.csv
validation_set1.csv
test_set1.csv
training_set2.csv
validation_set2.csv
test_set2.csv

Data Sets

data_sets1

training_set.csv
validation_set.csv
test_set.csv

data_sets2

training_set.csv
validation_set.csv
test_set.csv

Report.pdf (contains the plots and necessary reports)

Readme.pdf

How to compile and run:

R approach:

Go to Source Files/R

The plot functions are commented out in the program so that the file can be run from command line. (The plots are included as part of the report).

To run:

Rscript Assignment2.R training_set1.csv validation_set1.csv test_set1.csv

Rscript Assignment2.R training_set2.csv validation_set2.csv test_set2.csv

For further information, look at Report.pdf

Java approach:

Go to Source Files/Java

To compile:

javac Main.java

To run:

```
java Main <Lvalue> <Kvalue> training_set.csv validation_set.csv test_set.csv <to_print>
```

Lvalue, Kvalue - values used for pruning.

to_print - "yes" to print the tree in the requested format to the screen.

```
java Main 10 20 training_set1.csv validation_set1.csv test_set1.csv yes
```

```
java Main 10 20 training_set2.csv validation_set2.csv test_set2.csv yes
```

For further information, look at Report.pdf