The Rattle Package: Quick Start Guide

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1 Introduction

Rattle (Williams, 2009) is a package written in R providing a graphical user interface to very many other R packages that provide functionality for data mining.

This quick start guide is under development. See http://rattle.togaware.com for extensive documentation

2 Requirements

Rattle depends on over 40 other R packages and a couple of other software applications/libraries that are independent of R. The first thing to ensure is that you have installed the GTK+ libraries and the GGobi application. This is operating system independent. Details are available for each of the major operating systems:

- GNU/Linux: http://datamining.togaware.com/survivor/Install_GNU_Linux.html

- MS/Windows: http://datamining.togaware.com/survivor/Install_MS_Windows.html

- Mac OS/X: http://datamining.togaware.com/survivor/Install_Macintosh.html

Only a couple of R packages are dependencies for Rattle. Most are suggestions, but without them functionality is quite limited. At a minimum, be sure to have the RGtk2 package installed. Others that you might like to install include: ada , arules , doBy , ellipse , fBasics , fpc , gplots , Hmisc , kernlab , mice , network , party , playwith , pmml , randomForest , reshape , rggobi , RGtk2 , ROCR , RODBC , and rpart .

The packages can usually be installed with:

```
> install.packages(rattle, dependencies = c("Depends", "Suggests"))
```

3   First Steps

Start up rattle:

```
> library(rattle)
> rattle()
```

4   References

Williams, G. J. (2009). *Rattle: A Data Mining GUI for R.* The R Journal, 1(2), 45-55. URL: http://journal.r-project.org/archive/2009-2/RJournal_2009-2_Williams.pdf.