

Appendix A

Installing Rattle

Rattle relies on an extensive collection of free and open source software. Some preliminary steps need to be followed in installing it. The latest installation instructions are maintained at <http://rattle.togaware.com>. The instructions cover Rattle on GNU/Linux, Microsoft Windows and MacOS/X.

Rattle is distributed as a freely available open source R package available from [CRAN](http://cran.r-project.org/), the Comprehensive R Archive Network (<http://cran.r-project.org/>). The source code for Rattle is available from [Google Code](http://code.google.com/p/rattle/) (<http://code.google.com/p/rattle/>). A discussion mailing list is available from [Google Groups](http://groups.google.com/group/rattle-users) (<http://groups.google.com/group/rattle-users>).

If you are setting up a new data mining platform, the recommended approach is to build it on top of the Ubuntu operating system (<http://ubuntu.com>). This delivers a free and open source environment for data mining.

If you already have R installed and have installed the appropriate GTK libraries for your operating system, then installing Rattle is as simple as:

```
> install.packages("rattle")
```

Once installed, the function `rattleInfo()` provides version information for rattle and dependencies and will also check for available updates and generate the command that can be cut-and-pasted to update the appropriate packages:

```
> rattleInfo()

Rattle: version 2.6.7 cran 2.6.6
R: version 2.13.0 (2011-04-13) (Revision 55427)

Sysname: Linux
Release: 2.6.35-28-generic
Version: #49-Ubuntu SMP Tue Mar 1 14:39:03 UTC 2011
Nodename: nyx
Machine: x86_64
Login: unknown
User: gjw

Installed Dependencies
RGtk2: version 2.20.12
pmml: version 1.2.27
bitops: version 1.0-4.1
colorspace: version 1.1-0
ada: version 2.0-2
amap: version 0.8-5
arules: version 1.0-6
biclust: version 1.0.1
cairoDevice: version 2.15
cba: version 0.2-6
descr: version 0.3.4
doBy: version 4.3.1 upgrade available 4.4.0
e1071: version 1.5-26
ellipse: version 0.3-5
fEcofin: version 290.76
fBasics: version 2110.79
foreign: version 0.8-44
fpc: version 2.0-3
gdata: version 2.8.2
gtools: version 2.6.2
gplots: version 2.8.0
```

```
gWidgetsRGtk2: version 0.0-74
Hmisc: version 3.8-3
kernlab: version 0.9-12
lattice: version 0.9-43
Matrix: version 0.999375-50
mice: version 2.8
network: version 1.6
nnet: version 7.3-1
odfWeave: version 0.7.17
party: version 0.9-99992
playwith: version 0.9-53
psych: version 1.0-97 upgrade available 1.0-98
randomForest: version 4.6-2
RBGL: version 1.28.0
RColorBrewer: version 1.0-2
reshape: version 0.8.4
rggobi: version 2.1.17
RGtk2Extras: version 0.5.0
ROCR: version 1.0-4
RODBC: version 1.3-2
rpart: version 3.1-50
rpart.plot: version 1.2-2
RSvgDevice: version 0.6.4.1
survival: version 2.36-9
timeDate: version 2130.93
XML: version 3.4-0
```

Upgrade the packages with either:

```
> install.packages(c("doBy", "psych"))

> install.packages(rattleInfo())
```