# R

R is an open source statistical programming and visualization language.

## R and VIVO

R provides a rich environment for data processing, visualization and analysis. Along with the R XML package for reading XML (VIVO RDF Schema is a flavor of XML) and statnet, a library for network visualization and analysis, a strong environment for development of VIVO applications can be assembled.

## Projects

Mike Conlon is working on using R for VIVO to develop tools for extracting, reporting and visualizing R data. See RDF Graph Visualize Report.

## Obtaining R

You can download R for Windows, Linux or Mac from http://www.r-project.org. Once R is installed, you can execute the R commands below to install the XML package and the statnet package.

```
install.packages("XML", repos="http://www.stats.ox.ac.uk/pub/RWin")
library(XML)
install.packages("statnet")
library(statnet)
```