

R Toolkit (for VIVO)

Description	Tools for making VIVO visualizations with R
Type	Visualization
Status	AVAILABLE
Owner	Mike Conlon
Language	R
Team	Mike Conlon
Location	http://github.com/mconlon17/vivo-r
License	MIT

Goals

1. Provide examples of using R to access VIVO data. Using the toolkit, R programmers will be able to run SPARQL queries from R, create R data structures from VIVO data, and use R visualization capabilities to create additional visualizations
2. Create visualizations of VIVO data using R

Description

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.

Features

- Provides the foundation for using R for VIVO to develop tools for extracting, reporting and visualizing R data. See [RDF Graph Visualize Report](#).

Documentation

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)
```

Notes