Kepler - Bug #2043

create suite of common statistical actors using R

03/11/2005 03:18 PM - Matt Jones

Status:	Resolved	**Start date:**	03/11/2005
Priority:	Immediate	**Due date:**	
Assignee:	Josh Madin	**% Done:**	0%
Category:	actors	**Estimated time:**	0.00 hour
Target version:	1.0.0beta1	**Spent time:**	0.00 hour
Bugzilla-Id:	2043		

Description

We need to create a suite of commonly useful analytical actors using the R actor that is described in bug #1342. These actors should require zero 'plumbing' by the user -- all they should need to do is hook up their data to the ports and hit run. These will include some common operations such as means and error by group, linear regression, anova, t-test, etc. Each of these will be described in their own bug and linked to this bug as a blocker.

Related issues:

Blocks Kepler - Bug #1342: need R actor	**Resolved**	**02/10/2004**
Blocks Kepler - Bug #2044: R actor for means and error by group	**Resolved**	**03/11/2005**

History

#1 - 06/27/2005 01:24 PM - Dan Higgins

The RExpression actor has been created as the basic template for this suite of actors. Some example exist but more need to added. Basically, the task is just to define the port and add the appropriate R scripts. The RExpression actor takes care of the 'plumbing' issues.

#2 - 11/02/2005 12:16 PM - Matt Jones

Lets attempt to get at least a handful of R statistical actors created that can be reused. Madin can probably handle this in the context of the biodiversity workflows he was working on. Some possibilities include:

Univariate summary stats (mean, sdev, stderr, var, n) (already checked in)
Simple parametric regression (already checked in)
Simple non-parametric regression
Simple ANOVA
Correlation (pearson, spearman)
Scatterplot, bar chart, line plot

#3 - 06/14/2006 10:50 AM - Dan Higgins

A suite of R statistical actors is now installed in the Beta1 release

#4 - 03/27/2013 02:18 PM - Redmine Admin

Original Bugzilla ID was 2043