

R AnalyticFlow: A flowchart-style GUI for R

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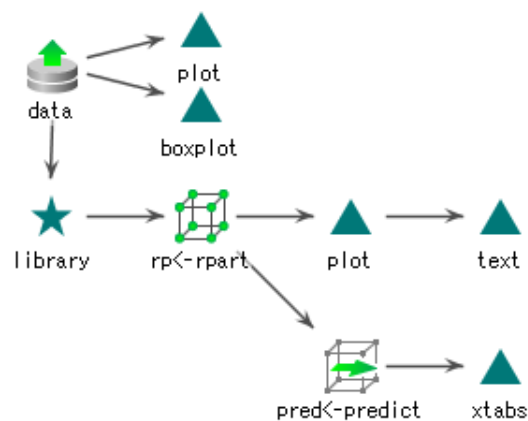
March 28, 2008

Abstract

R AnalyticFlow is a new flowchart-style GUI for R. A user draw an "analysis flow", which contains R expression nodes connected by directed edges. By "running" a series of nodes, the corresponding R expressions are executed by R engine.

There are two main advantages: (1) flowchart-style visualization helps us to overview the processes of data analysis, and (2) "branching" the processes enables flexible analysis strategies.

R AnalyticFlow is written in Java, with the help of several open-source Java libraries. Our source code is also open-sourced and available under the BSD license. It depends on Java (≥ 5), R ($\geq 2.5.0$), rJava and JavaGD. It currently runs on Windows, Linux and Mac OS X.



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