

Package structure

The BEAST software is organized hierarchically into java packages. All BEAST classes exist in packages under the dr package. Within this namespace, there are about a dozen top-level packages:

dr.app.* Application-specific code, including main class for BEAST, BEAUti and all application specific GUI code.

dr.evolution.* Library of classes and routines describing all the basic objects needed in import, export and manipulation of molecular evolution data structures. No reference to XML parsing or statistical inference procedures like MCMC. Classes in the dr.evolution.* packages do not depend on classes in dr.inference.*, dr.evomodel.*, dr.evomodelxml or dr.geo.*.

dr.evomodel.* Library of classes for MCMC inference on molecular evolutionary data. This package primarily brings together the dr.evolution.* and dr.inference.* packages.

dr.evomodelxml Contains XMLObjectParsers for objects in dr.evomodel.* packages.

dr.evoxml Contains XMLObjectParsers for objects in dr.evolution.* packages.

dr.geo.* Contains classes for geographical modeling.

dr.gui.* Contains classes for generic GUI objects and tasks. Classes in the dr.gui.* packages do not depend on classes in dr.app.*, dr.inference.*, dr.evomodel.*, dr.evomodelxml or dr.geo.*.

dr.inference.* Contains classes for statistical inference, *without specific reference to probabilistic models of molecular evolution*. Classes in the dr.inference.* packages do not depend on classes in dr.app.*, dr.evolution.*, dr.evomodel.*, dr.evomodelxml or dr.geo.*.

dr.java16compat

dr.math.* Basic numerical computing classes including mathematical functions and optimization algorithms. Classes in this package do not depend on classes in any other packages in BEAST.

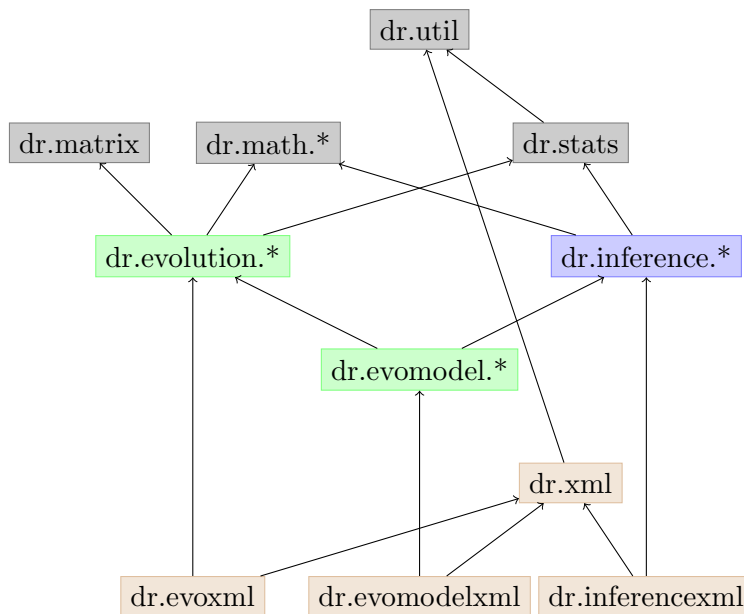


Figure 1: The dependency structure among the top-level package namespaces

dr.matrix Basic Matrix and Vector support. Classes in this package do not depend on classes in any other packages in BEAST.

dr.stats A couple of basic statistics classes. Depends only on dr.util package.

dr.util Basic utility classes. Depends on no other packages.

dr.xml Basic XML parsing classes, *without specific reference to molecular evolution*. Depends only on dr.util package.