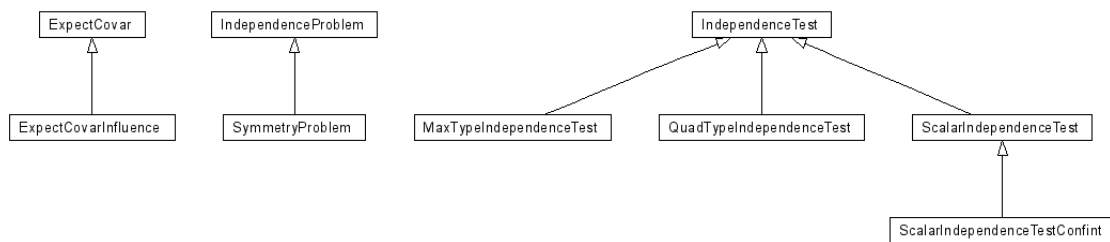# Ruml

Ruml creates UML class diagrams from existing S classes and in the sense of UMLGraph for Java classes. This is usefull for documentation and exploration of existing packages: R specific things like generic functions, namespaces, S3 and S4, ... are considered.
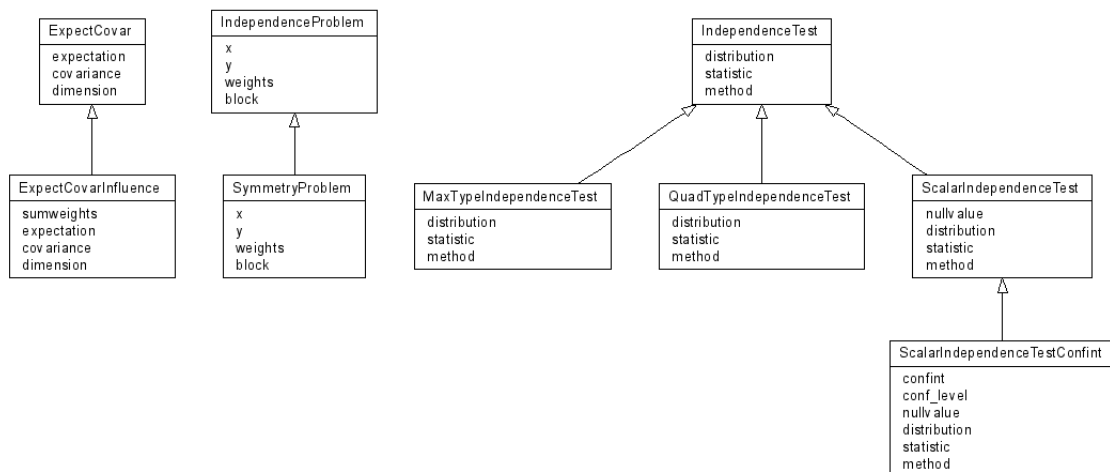
Funky idea: the package allows to "calculate" with classes: create subtraction, addition, diffs, ... of classes (even of different packages). This allows an exploratory approach of code refactoring.

An outline

```
R> library(coin)
R> rl = RumlClassList(getClasses('package:coin'))
R> plot(rl)
```



```
R> plot(rl, attributes=TRUE)
```

Project attributes

Easier project; student needs to know the structual elements of `R` (like functions, S3/4 classes, generics, ...,) very well and has basic knowlegde about UML (class diagrams).