

## Using Actuar in Teaching: Case Studies

Vincent Goulet

Université Laval, Québec

**Abstract:** The actuar project is a package of Actuarial Science functions for the R statistical system. The package currently contains functions and data sets aimed for loss distributions modeling, risk theory and credibility theory. Following R's general philosophy, the functions are designed to serve as tools to ease modeling. This is in contrast to "black boxes" that would automagically return results without one's proper understanding of the underlying principles. This presentation will demonstrate how the package can prove useful in classroom use to solve typical problems in each of the fields mentioned above.