Automatic generation of exams in *R*

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Package **exams** provides a framework for automatic generation of standardized statistical exams which is especially useful for large-scale exams. To employ the tools, users just need to supply a pool of exercises and a master file controlling the layout of the final PDF document. The exercises are specified in separate Sweave files (containing *R* code for data generation and LaTeX code for problem and solution description) and the master file is a LaTeX document with some additional control commands. An overview is given of the main design aims and principles as well as strategies for adaptation and extension. Hands-on illustrations – based on example exercises and control files provided in the package – are presented to get new users started easily.

References

Grün, B. and A. Zeileis (2009). Automatic generation of exams in R. *Journal of Statistical Software 29*(10), 1–14. http://www.jstatsoft.org/v29/i10/