

RNONMEM2: An R bundle for easy manipulation and graphing of NONMEM data.

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NONMEM is widely regarded as the “gold standard” of nonlinear-mixed effects modelling software. However, its output is best suited for the age of paper printouts and it is notoriously difficult to use in other software. RNONMEM2, a refactoring of an earlier package produced by Mango Solutions, is a tool which aims to load and parse the output of NONMEM runs (including parameter estimates, diagnostic information, and data sets) into the R environment in a consistent, object oriented manner which is easy to use. Users can thus combine NONMEM’s powerful model fitting routines with R’s flexible data analysis capabilities. In addition, it provides tools for generating graphics from NONMEM runs, and also for producing standard reports and generating control files.