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Comparing Optimization Algorithms in the Fitting of Linear Mixed Models: Evaluating Speed and Accuracy using lme4 in R and lmm in Julia

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Abstract

Donec pulvinar ligula vel sem finibus, vitae pulvinar metus tincidunt. Nam at arcu sem. Aenean in leo viverra, consectetur ex nec, malesuada lacus. Integer venenatis porta ullamcorper. Cras viverra lectus commodo porttitor dictum. Sed quis nulla rhoncus metus pretium vestibulum. Quisque ut scelerisque tellus, non egestas risus. Quisque finibus ligula id sem ultrices convallis. Vivamus maximus placerat nunc, ac posuere eros viverra quis. Donec magna urna, gravida in orci sed, sagittis congue magna. Duis nec nibh vel augue interdum iaculis a sit amet ipsum. Nunc lectus quam, varius sed sodales in, iaculis et diam.

Keywords: optimizers, mixed models, linear mixed models, lme4, lmm, R, Julia.

1. About Java

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