

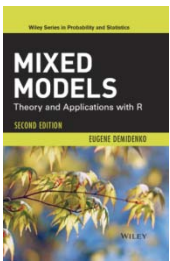
Complete bibliography of Demidenko, Eugene

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As of November, 2019, total number of publications in the peer review literature = 164

Books: <http://www.dartmouth.edu/~eugened>

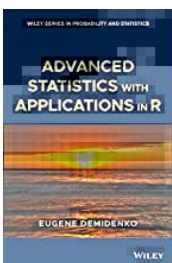
Demidenko E. "Mixed Models: Theory and Applications with R", Hoboken, NJ: Wiley, 2013, pp. 717+.



Adopted from the book review at *Journal of the American Statistical Association*: Timely and in-depth mathematical coverage of mixed models, statistical properties, and numerical algorithms. State-of-the-art methodologies are discussed, including the linear mixed-effects model, the growth curve model, the generalized growth curve model, robust models, models with linear covariance structures, models for binary and count clustered data, the generalized estimation equation approach, nonlinear mixed models, and diagnostics. Special attention is given to algorithms and their implementations. Both graduate students and working professionals will find this to be an invaluable reference. This text presents novel applications of mixed modeling technology, such as tumor growth and treatment, shape and sound, and image analysis. Possessing a wide range of appeal, many professional disciplines will be attracted to the topics, among them statisticians, cancer researchers, computer scientists, engineers, and industrial professionals.

As of November 30, 2019, according to Google Scholar, this book was cited 1304 times.

Demidenko E. "Advanced Statistics with Applications in R", Hoboken, NJ: Wiley, 2020, pp. 856+



Advanced Statistics with Applications in R fills the gap between several excellent theoretical statistics textbooks and many applied statistics books where teaching reduces to using existing packages. This book looks at what is under the hood. Many statistics issues including the recent crisis with p-value are caused by misunderstanding of statistical concepts due to poor theoretical background of practitioners and applied statisticians. This book is the product of a forty-year experience in teaching of probability and statistics and their applications for solving real-life problems.

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