

## R Nlme Package Wordpress

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`nlme.nlsList`: NLME fit from `nlsList` Object: `glsControl`: Control Values for `gls` Fit: `gsummary`: Summarize by Groups: `corCAR1`: Continuous AR(1) Correlation Structure: `lmList.groupedData`: `lmList` Fit from a `groupedData` Object: `logDet`: Extract the Logarithm of the Determinant: `lmeStruct`: Linear Mixed-Effects Structure: `nlmeControl`: Control Values for ...

~~nlme package~~ | [R Documentation](#)

Package 'nlme' May 24, 2020 Version 3.1-148 Date 2020-05-13 Priority recommended Title Linear and Nonlinear Mixed Effects Models Contact see 'MailingList' Description Fit and compare Gaussian linear and nonlinear mixed-effects models. Depends R (>= 3.4.0) Imports graphics, stats, utils, lattice Suggests Hmisc, MASS LazyData yes ByteCompile yes

~~Package 'nlme'~~ | [cran.r-project.org](#)

`nlme.nlsList`: NLME fit from `nlsList` Object: `gnls`: Fit Nonlinear Model Using Generalized Least Squares: `pairs.compareFits`: Pairs Plot of `compareFits` Object: `getGroups`: Extract Grouping Factors from an Object: `groupedData`: Construct a `groupedData` Object: `pdMat`: Positive-Definite Matrix: `lmeControl`: Specifying Control Values for `lme` Fit: `lmeObject` ...

~~nlme package~~ | [R Documentation](#)

Version: 3.1-150: Priority: recommended: Depends: R (? 3.4.0) Imports: graphics, stats, utils, lattice Suggests: Hmisc, MASS: Published: 2020-10-24: Author: José ...

~~CRAN - Package nlme~~

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Jiang Qi NLME package in R. Introduction to Hierarchical Data Theory Real Example. The problem. Grouped data, or Hierarchical data: correlations between subunits within subjects. It arises in many areas as diverse as agriculture, biology, economics, manufacturing, and geophysics.

## ~~NLME package in R~~????

a nonlinear model formula, with the response on the left of a ~ operator and an expression involving parameters and covariates on the right, or an nlsList object. If data is given, all names used in the formula should be defined as parameters or variables in the data frame. The method function nlme.nlsList is documented separately.

## ~~nlme function~~ | R Documentation

We use the nlme package here. While this functionality does exist in lme4, the nonlinear syntax was always a bit unintuitive for me. What we are doing is telling the model that each of the parameters is sampled from a normal distribution across individuals. In this way, the model can pull unlikely parameter values back towards the mean of the ...

## ~~Nonlinear Modelling using nls, nlme and brms~~ | R bloggers

Linear Mixed-Effects Models This generic function fits a linear mixed-effects model in the formulation described in Laird and Ware (1982) but allowing for nested random effects. The within-group errors are allowed to be correlated and/or have unequal variances. The methods lme.lmList and lme.groupedData are documented separately.

## ~~lme function~~ | R Documentation

Package 'nlme' February 6, 2017 Version 3.1-131 Date 2017-02-06 Priority recommended Title Linear and Nonlinear Mixed Effects Models Description Fit and compare Gaussian linear and nonlinear mixed-effects models. Depends R (>= 3.0.2) Imports graphics, stats, utils, lattice Suggests Hmisc, MASS LazyData yes ByteCompile yes Encoding UTF-8

## ~~Package 'nlme'~~

The 'nlme' package is fully described in Pinheiro and Bates (2000). Of course, the 'asreml' package can be used, but, unfortunately, this is not freeware. Coding mixed models in 'nlme' is not always easy, especially when we have crossed random effects, which is very common with agricultural experiments.

## ~~Fitting 'complex' mixed models with 'nlme'. Example #1~~ | R...

Package 'lme4'. Package 'lme4'. December 1, 2020. Version 1.1-26 Title Linear Mixed-Effects Models using 'Eigen' and S4 Contact LME4 Authors <lme4-authors@lists.r-forge.r-project.org> Description Fit linear and generalized linear mixed-effects models. The models and their components are represented using S4 classes and methods. The core computational algorithms are implemented using the 'Eigen' C++ library for numerical linear algebra and 'RcppEigen' ``glue".

## ~~Package 'lme4'~~ - R

R package version 3.1-150, <https://CRAN.R-project.org/package=nlme>. Corresponding BibTeX entry: @Manual{, title = {{nlme}: Linear and Nonlinear Mixed Effects Models}, author = {Jose Pinheiro and Douglas Bates and Saikat DebRoy and Deepayan Sarkar and {R Core Team}}, year = {2020}, note = {R package version 3.1-150}, url = {<https://CRAN.R-project.org/package=nlme>}, }

## ~~nlme citation info~~ - cran.r-project.org

an object of class nlme representing the nonlinear mixed-effects model fit. Generic functions such as print, plot and summary have methods to show the results of the fit. See nlmeObject for the components of the fit. The functions resid, coef, fitted, fixed.effects, and random.effects can be used to extract some

of its components.

~~nlme: Nonlinear Mixed-Effects Models in nlme: Linear and ...~~

```
# 8.2 Fitting Nonlinear Mixed-Effects Models with nlme ## no need to specify groups, as Orange is a  
groupedData object ## random is omitted - by default it is equal to fixed (fm1Oran.nlme <- nlme  
(circumference ~ SSlogis (age, Asym, xmid, scal), data = Orange, fixed = Asym + xmid + scal ~ 1, start  
= fixef (fm1Oran.lis)))
```

~~nlme: R scripts - AsanCPT~~

gls {nlme} R Documentation: Fit Linear Model Using Generalized Least Squares Description. This function fits a linear model using generalized least squares. The errors are allowed to be correlated and/or have unequal variances. Usage ... [Package nlme version 3.1-150 Index] ...

~~R: Fit Linear Model Using Generalized Least Squares~~

R/nlme.R defines the following functions: nonlinModel residuals.nlmeStruct fitted.nlmeStruct predict.nlme formula.nlme getParsNlme nlme.formula nlme.nlsList nlme nlme source: R/nlme.R rdrv.io Find an R package R language docs Run R in your browser R Notebooks

~~nlme source: R/nlme.R - R Package Documentation~~

R-packages - Revision 7898: /trunk/nlme.. ChangeLog; DESCRIPTION; LICENCE; NAMESPACE; R/ README; TODO; data/ inst/ man/ po/ src/ tests/

~~R-packages - Revision 7898: /trunk/nlme~~

nlme. This is a read-only mirror of the CRAN R package repository. nlme — Linear and Nonlinear Mixed Effects Models Report bugs for this package: <http://bugs.r-project.org>. View license.

~~GitHub - cran/nlme: This is a read-only mirror of the CRAN ...~~

tistical analyses were performed using R statistical language (6) and the packages fields (7), nlme (8), and lme4 (9). i) Regarding estimation of time origin, for each plasma donor panel, longitudinal series were normalized to a time origin, T 0, estimated as described previously (2). Briefly, T 0 was

~~Supporting Information~~

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