Package: iimm (via r-universe)

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Title Improved Inference for Multilevel Models with Few Clusters

Version 0.1

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Description Support for inference about linear mixed effects models estimated with 'lmer' from package 'lme4' using a Student's t-distribution with degrees of freedom determined by the m-l-1 heuristic or the Kenward-Roger method.

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Depends R (>= 3.5), lme4, stats, Matrix

Imports memisc, lmerTest, pbkrtest

License GPL (>=3)

Encoding UTF-8

LazyData true

RoxygenNote 6.0.1

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lmer_t *Inference based on a t-distribution for 'lmer' objects.*

Description

Function `lmer_t` provides confidence intervals and p-values based on the m-l-1 heuristic, the Satterthwaite and Kenward-Roger methods for models fitted with `lmer`.

Usage

```
lmer_t(object, method = c("Heuristic", "Satterthwaite", "Kenward-Roger"),
  level = 0.95)
```

Arguments

`object`	an object representing a linear mixed effects model, as returned by `lmer`
`method`	a character string that selects the method used to determine the degrees of freedom.
`level`	a number between 0 and 1, the level of the confidence intervals

Value

The function returns a list with two elements `"lmer"` - the original object - and `"coefTab"` which is a matrix with estimates, standard errors, t-statistics, degrees of freedom, lower and upper confidence intervals, and p-values.

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