

Package ‘ZeligEI’

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Title Zelig Ecological Inference Models

Description Add-on package for Zelig 5. Enables the use of a variety of ecological inference models.

URL <https://cran.r-project.org/package=ZeligEI>

BugReports <https://github.com/IQSS/ZeligEI/issues>

Version 0.1-2

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Depends eiPack

Imports dplyr, ei, Formula, jsonlite, MASS, MCMCpack, methods, Zelig (>= 5.1-0),

Suggests knitr, testthat

Collate 'create-json.R' 'model-ei.R' 'model-rxc-ei.R'
'model-dynamic-ei.R' 'model-ml-ei.R' 'model-hier-ei.R'

RoxygenNote 6.0.1

NeedsCompilation no

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createJSONzeligei	<i>Utility function for constructing JSON file that encodes the hierarchy of available statistical models in ZeligEI</i>
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Description

Utility function for construction a JSON file that encodes the hierarchy of available statistical models.

Usage

```
createJSONzeligei()
```

Value

Returns TRUE on successful completion of json file

Author(s)

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Zelig-ei-class	<i>Ecological Inference object for inheritance across models in ZeligEI</i>
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Description

Ecological Inference object for inheritance across models in ZeligEI

Methods

```
getcoef() Get estimated model coefficients
zelig(formula, data, model = NULL, ..., weights = NULL, by, bootstrap = FALSE) The
zelig function estimates a variety of statistical models
```

Zelig-eidynamic-class	<i>Quinn’s Dynamic Ecological Inference Model</i>
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Description

Vignette: http://docs.zeligproject.org/articles/zeligei_eidynamic.html

Methods

```
getcoef() Get estimated model coefficients
```

Zelig-eihier-class *Wakefield's Hierarchical Ecological Inference Model*

Description

Vignette: http://docs.zeligproject.org/articles/zeligei_eihier.html

Methods

getcoef() Get estimated model coefficients

Zelig-eiml-class *Ecological Inference Model by Maximum Likelihood*

Description

Vignette: http://docs.zeligproject.org/articles/zeligei_eiml.html

Zelig-eirxc-class *Multinomial Dirichlet model for Ecological Inference in RxC tables*

Description

Vignette: http://docs.zeligproject.org/articles/zeligei_eirxc.html

Methods

getcoef() Get estimated model coefficients

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