Package ‘iBUGS’

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Type Package

Title An Interface to WinBUGS/OpenBUGS/JAGS by gWidgets

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Description This package has provided an interface to WinBUGS/OpenBUGS/JAGS via R2WinBUGS and R2jags. Some options will be intelligently guessed, e.g. the path to WinBUGS/OpenBUGS/JAGS and the data/parameter list. Users can specify all the options in a GUI.

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LazyLoad yes

Depends R2WinBUGS, gWidgetsRGtk2

Suggests R2jags, knitr

NeedsCompilation no

Repository CRAN

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bugs.options

Set or Query Options to Run WinBUGS/OpenBUGS/JAGS

Description

Set or query options in the bugs/jags function.

Usage

bugs.options(...)

Arguments

... any options can be defined, using 'name = value' or by passing a list of such tagged values. See the examples below.

Value

A list containing all the options when the query parameter was empty; or the option value when a single parameter was queried. The old option list will be returned if any new options were set.

Note

The only option that is not in bugs is 'model.name' which specifies the R object name to be used to store the returned values from bugs. There are several options in bugs and jags are omitted since they are not very useful.

Author(s)

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See Also

bugs, jags

Examples

```r
## not run:

## list all the options
bugs.options()

## set options
bugs.options(n.chains = 1, n.iter = 10000)

## all these can be set via the GUI: iBUGS()

## End(Not run)
```
Description

Create a GUI by \texttt{gWidgetsRGtk2} and all options for \texttt{R2WinBUGS} and \texttt{R2jags} can be set in the GUI. The letter ‘i’ can be interpreted as ‘intelligent’ or ‘interface’ – depends on what you think.

Usage

\texttt{iBUGS()}

Details

\texttt{iBUGS} will try to find the directories of WinBUGS/OpenBUGS/JAGS in your system and use them when calling \texttt{bugs} or \texttt{jags} in \texttt{R2WinBUGS} or \texttt{R2jags}. For most users, this search will succeed, unless WinBUGS/OpenBUGS/JAGS were not installed in the default directory.

\texttt{iBUGS} will also try to get the data object names from the current R session and guess the parameter names in a BUGS model. Click the “Preference” button and you will see the lists of names.

More intelligence is to be added.

Value

Invisible \texttt{NULL}.

Author(s)

Yihui Xie \texttt{<http://yihui.name>}

See Also

\texttt{bugs, jags, bugs.options}

Examples

```r
## Not run:

iBUGS()

## End(Not run)
```
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