

Package ‘iBUGS’

February 20, 2015

Type Package

Title An Interface to WinBUGS/OpenBUGS/JAGS by gWidgets

Version 0.1.4

Date 2013-12-10

Author Yihui Xie and Jiebiao Wang

Maintainer Jiebiao Wang <randel.wang@gmail.com>

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.

License GPL-2 | GPL-3

LazyLoad yes

Depends R2WinBUGS, gWidgetsRGtk2

Suggests R2jags, knitr

NeedsCompilation no

Repository CRAN

Date/Publication 2013-12-10 23:05:44

R topics documented:

bugs.options	2
iBUGS	3
Index	4

`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 usefull.

Author(s)

Yihui Xie <<http://yihui.name>>

See Also

[bugs](#), [jags](#)

Examples

```
## 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 **gWidgetsRGtk2** and all options for **R2WinBUGS** and **R2jags** can be set in the GUI. The letter ‘i’ can be interpreted as ‘intelligent’ or ‘interface’ – depends on what you think.

Usage

```
iBUGS()
```

Details

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

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 NULL.

Author(s)

Yihui Xie <<http://yihui.name>>

See Also

[bugs](#), [jags](#), [bugs.options](#)

Examples

```
## Not run:
```

```
iBUGS()
```

```
## End(Not run)
```

Index

*Topic **misc**
bugs.options, 2

*Topic **utilities**
iBUGS, 3

bugs, 2, 3
bugs.options, 2, 3

iBUGS, 3

jags, 2, 3