

# Package ‘in2extRemes’

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**Title** Into the extRemes Package

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**Depends** R (>= 2.15.1), tcltk, extRemes (>= 2.0)

**Description** Graphical User Interface (GUI) to some of the functions in the package extRemes version >= 2.0 are included.

**License** GPL (>= 2)

**URL** <http://www.assessment.ucar.edu/toolkit/>

**NeedsCompilation** no

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in2extRemes-package    *Graphical User Interface Dialog Window for EVA*

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## Description

Open the main graphical user interface dialog window for extreme value analysis (EVA).

## Usage

```
in2extRemes()
```

## Details

This package provides point-and-click windows for performing extreme value analysis using the package **extRemes** version  $\geq 2.0$ .

The function `in2extRemes` is used to open the main dialog window from the command line.

## Value

No value is returned. A GUI window is opened from which other functions can be called that might return various object types.

## Author(s)

Eric Gilleland

## References

<http://www.assessment.ucar.edu/toolkit>

## See Also

[extRemes](#)

## Examples

```
## Not run:  
in2extRemes()  
  
## End(Not run)
```

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as.in2extRemesDataObject

*Convert Data Frame Object to in2extRemes Data Object*

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## Description

Convert a data frame, matrix or vector into an object readable by the `in2extRemes` windows.

## Usage

```
as.in2extRemesDataObject(x)
```

## Arguments

x                    data frame, matrix or numeric vector.

**Details**

Sets up a list object with a data component that contains the dataframe *x*, or if *x* is a matrix or vector, it is first converted to a data frame using `as.data.frame`. If *x* is a vector, an additional column, named “obs”, is added that contains an index of the row number. It is then given the class “in2extRemesDataObject” and returned.

**Value**

A list of class “in2extRemesDataObject” with component:

data                    *x* as a data frame.

**Author(s)**

Eric Gilleland

**See Also**

[as.data.frame](#)

**Examples**

```
look <- apply(matrix(rnorm(100 * 100), 100, 100), 2, max, na.rm = TRUE)
look2 <- as.in2extRemesDataObject(look)
```

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