Package ‘zooaRchGUI’

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Type Package

Title Interactive Analytical Tools for Zooarchaeological Data

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Description The analysis and inference of faunal remains recovered from archaeological sites concerns the field of zooarchaeology. The zooaRchGUI package provides a graphical user interface to analytical tools found in the R statistical environment to make inferences on zooarchaeological data. Functions in this package allow users to interactively read, manipulate, visualize, and analyze zooarchaeological data.

Imports car, coda, foreign, geomorph, ggplot2, graphics, grDevices, MASS, pgirmess, raster, readxl, rjags, sp, spdep, splancs, stats, tcltk, tcltk2, tkrplot, utils, vegan

License GPL (>= 2)

LazyData true

Suggests rmarkdown, knitr

URL http://www.zooarchgui.org/
https://zooarchgui.github.io/zooaRchGUI/

BugReports https://github.com/zooaRchGUI/zooaRchGUI/issues

RoxygenNote 6.0.1

NeedsCompilation no

Repository CRAN

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### Description

Functions in this package allow users to interactively read, manage, analyze and visualize zooarchaeological data - the faunal remains recovered from archaeological sites.

### Author(s)

Erik Otarola-Castillo, Jesse Wolfhagen, John Brian Rapes and Max D. Price

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### Description

Clarkson data for chi squared

### Author(s)

Erik Otarola-Castillo
References


clusterPTS

Clustered Spatial Points Example for spatial statistics and autocorrelation example

Description

Clustered Spatial Points Example for spatial statistics and autocorrelation example

Author(s)

Erik Otarola-Castillo

LRBdata

Forager database from Binford 2001, Constructing Frames of Reference

Description

Forager database from Binford 2001, Constructing Frames of Reference

Author(s)

Binford, Lewis R.

References


Available from http://ajohnson.sites.truman.edu/data-and-program/
**LRBkey**

Data frame describing the variables in the LRB data frame. Part of the datasets used to calculate Binford's environmental and hunter-gatherer frames of reference variables

**Description**

Data frame describing the variables in the LRB data frame. Part of the datasets used to calculate Binford’s environmental and hunter-gatherer frames of reference variables

**Author(s)**

Binford, Lewis R.

**References**


Available from http://ajohnson.sites.truman.edu/data-and-program/

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**marjRab**

Survival data from Marj Rabba, using Payne’s (1973) age classes

**Description**

Survival data from Marj Rabba, using Payne’s (1973) age classes

**Author(s)**

M.D. Price, M. Buckley, Y.M. Rowan, and M. Kersel

**References**


Fusion Survival data from Marj Rabba

**Description**

Fusion Survival data from Marj Rabba

**Author(s)**

M.D. Price, M. Buckley, Y.M. Rowan, and M. Kersel

**References**


Survival data labels from Marj Rabba, using Payne’s (1973) age classes

**Description**

Survival data labels from Marj Rabba, using Payne’s (1973) age classes

**Author(s)**

M.D. Price, M. Buckley, Y.M. Rowan, and M. Kersel

**References**


myData  Simulated Site x Species data

Description
Simulated Site x Species data

Author(s)
eoc

References
eoc

randPTS  Random Spatial Points Example for spatial statistics and autocorrelation example

Description
Random Spatial Points Example for spatial statistics and autocorrelation example

Author(s)
Erik Otarola-Castillo

spatPOLY  Spatial Polygon Example

Description
Spatial Polygon Example

Author(s)
Erik Otarola-Castillo
**speth83**

*Bison survival data from Speth 1983*

**Description**

Bison survival data from Speth 1983

**Author(s)**

John D. Speth

**References**


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**speth83labels**

*Bison survival labels from Speth 1983*

**Description**

Bison survival labels from Speth 1983

**Author(s)**

John D. Speth

**References**


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**standards**

*Standards for values*

**Description**

Standards for values

**Author(s)**

EOC, MP, JW
**syrPoly**  
*Syracuse Polygon Data*

**Description**  
Syracuse Polygon Data

**Author(s)**  
Erik Otarola-Castillo

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**winslow.fuse**  
*Fusion Survival data for cattle remains from the Winslow site, a colonial period farm near Boston, MA.*

**Description**  
Fusion Survival data for cattle remains from the Winslow site, a colonial period farm near Boston, MA.

**Author(s)**  
D. Landon

**References**  

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**zooaRch_GUI**  
*zooaRchGUI*

**Description**  
zooaRchGUI

**Usage**  
zooaRch_GUI()

**Examples**

```r
# Example 1: Binford data
data(LRBdata)
head(LRBdata)
```
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