Package ‘iSTATS’

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CS_values_real .......................................................... 2
file_names ............................................................ 2
iSTATS ................................................................. 2
NMRData ............................................................... 3

Index
**CS_values_real**  
*Matrix of NMR chemical shifts*

**Description**  
A matrix containing all chemical shifts of NMR data milk samples

**Usage**  
CS_values_real

**Format**  
A matrix with 11 rows and 32778 variables:

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**file_names**  
*A list of sample names*

**Description**  
A list of sample names

**Usage**  
file_names

**Format**  
A list of string with sample names

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**iSTATS**  
*A Graphical Interface to Perform STOCSY analyses on NMR Data*

**Description**  
Statistical TOtal Correlation SpectroscopY (STOCSY) is a method developed to analyze 1D Nuclear Magnetic Resonance (NMR) data, with many applications in metabolomic science, as to help the identification of molecules in complex mixture. Although STOCSY is promising method, its use requires some programming language skills. To overcome this challenge we developed the interactive STATistical Spectroscopy (iSTATS) package, based on 'shiny', in which it is possible to perform STOCSY analyses in a full interactive way, from 1D NMR matrix construction to select specifical regions to apply STOCSY methods more accurately.
**NMRData**

**Usage**

`iSTATS()`

**Examples**

```r
if(interactive()) {iSTATS::iSTATS()}
```

---

**NMRData**

*Matrix of NMR intensities*

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**Description**

A matrix containing the intensities of NMR data milk samples

**Usage**

```r
NMRData
```

**Format**

A matrix with 11 rows and 32778 variables:
Index

*Topic datasets
   CS_values_real, 2
   file_names, 2
   NMRData, 3
CS_values_real, 2
file_names, 2
iSTATS, 2
NMRData, 3