

Package ‘auto.pca’

September 12, 2017

Type Package

Version 0.3

Title Automatic Variable Reduction Using Principal Component Analysis

Date 2017-09-03

Author Navinkumar Nedunchezian

Maintainer Navinkumar Nedunchezian <navinkumar.nedunchezian@gmail.com>

Description PCA done by eigenvalue decomposition of a data correlation matrix, here it automatically determines the number of factors by eigenvalue greater than 1 and it gives the uncorrelated variables based on the rotated component scores, Such that in each principal component variable which has the high variance are selected. It will be useful for non-statisticians in selection of variables. For more information, see the <http://www.ijcem.org/papers032013/ijcem_032013_06.pdf> web page.

License GPL-2

LazyData TRUE

Imports psych,plyr

Suggests knitr

NeedsCompilation no

Repository CRAN

Date/Publication 2017-09-12 09:24:21 UTC

R topics documented:

auto.pca	2
Index	3

`auto.pca`*Automatic Variable Reduction Using Principal Component Analysis*

Description

Prints the uncorrelated variables from the input dataframe

Usage

```
auto.pca(input_data)
```

Arguments

`input_data` dataframe without ID Variables & Categorical Variables

Examples

```
auto.pca(attitude)
```

Index

auto.pca, [2](#)