Package 'MSMwRA'

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Title Multivariate Statistical Methods with R Applications

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Description Data sets in the book entitled ``Multivariate Statistical Methods with R Applications", H.Bulut (2018).
The book was published in Turkish and the original name of this book will be ``R Uygulamalari ile Cok Degiskenli Istatistiksel Yontemler".

LazyData true

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Contents

Agriculture *Agriculture*

Description

The data set is used in Sample 8.3. The data set consists of 4 variables and 9 observations. This data is imaginary. Moreover the first three variables of this data are used in Sample 8.2.

Usage

```
Agriculture
```

Format

A data frame with 9 rows and 4 variables. The variables are as follows:

Y The yield values (Dependent variables values)

X1 The fertilizer values (The first independent variables values)

X2 The irrigation values (The second independent variables values)

D The experience values (The third independent values)

Source

The data set is used in the book entitled Multivariate Statistical Methods with R Applications (R Uygulamalari ile Cok Degiskenli Istatistiksel Yontemler), H.Bulut (2018).

ecodata *Economic Indicators of Cities in Turkey*

Description

The data set is used in Sample 14.2 and given in Table 14.2. The data set consists of 4 variables and 81 observations. This data contains some economic indicators of cities in Turkey.

Usage

```
ecodata
```

Format

A data frame with 81 rows and 4 variables. The variables are as follows:

Cities The names of cities in Turkey

X1 The employment rate in cities

X2 The unemployment rate in cities

X3 The satisfaction rate from job

Source

The data set is taken from Turkish Statistical Institute (TUIK) and used in the book entitled Multivariate Statistical Methods with R Applications (R Uygulamalari ile Cok Degiskenli Istatistiksel Yontemler), H.Bulut (2018).

`happiness` *The Happiness Data of OECD Countries*

Description

The data set is given in Table 4.1. The data set gives happiness scores of 155 countries. The data consists of 3 variables and 155 observations.

Usage

```
happiness
```

Format

A data frame with 155 rows and 3 variables. The variables are as follows:

COUNTRY The name of countries

Happiness The happiness scores of countries

Class The class value of countries according to happiness scores

Source

The data set is taken World Happiness Report-2017 by OECD and used in the book entitled Multivariate Statistical Methods with R Applications (R Uygulamalari ile Cok Degiskenli Istatistiksel Yontemler), H.Bulut (2018).

`PISA` *The PISA 2012 Results of OECD Countries*

Description

The data set is used in Sample 10.2 and given in Table 10.3. The data set consists of 3 variables and 34 observations. This data contains PISA 2012 results published by OECD.

Usage

```
PISA
```

Format

A data frame with 34 rows and 4 variables. The variables are as follows:

COUNTRY The names of countries (in Turkish)

Reading The reading scores of countries in PISA 2012

Science The science scores of countries in PISA 2012

Mathematics The mathematics scores of countries in PISA 2012

Source

The data set is taken from PISA 2012 Report published by OECD and used in the book entitled Multivariate Statistical Methods with R Applications (R Uygulamalari ile Cok Degiskenli Istatistiksel Yontemler), H.Bulut (2018).

SER *Sex, Education and Reading Data*

Description

The data set is used in Sample 15.2 and given in Table 15.1. The data set consists of 3 variables and 21 observations. This data is imaginary.

Usage

```
SER
```

Format

A data frame with 21 rows and 3 variables. The variables are as follows:

Sex The sex of observations

Education The education level of observations

Reading The reading case of observations

Source

The data set is used in the book entitled Multivariate Statistical Methods with R Applications (R Uygulamalari ile Cok Degiskenli Istatistiksel Yontemler), H.Bulut (2018).

Sim1 *Simulated Data 1*

Description

The data set is used in Sample 3.1. The data set consists of 3 variables and 10 observations. This data is imaginary.

Usage

```
Sim1
```

Format

A data frame with 10 rows and 3 variables.

Source

The data set is used in the book entitled Multivariate Statistical Methods with R Applications (R Uygulamalari ile Cok Degiskenli Istatistiksel Yontemler), H.Bulut (2018).

Sim2 *Simulated Data 2*

Description

The data set is used in Sample 3.4. The data set consists of 2 variables and 10 observations. This data is simulated from multivariate normal distribition with mean vector (5,10) and covariance matrix [9,10,10,25].

Usage

```
Sim2
```

Format

A data frame with 10 rows and 2 variables.

Source

The data set is used in the book entitled Multivariate Statistical Methods with R Applications (R Uygulamalari ile Cok Degiskenli Istatistiksel Yontemler), H.Bulut (2018).

ssl *Security and Social Life Indicators of Cities in Turkey*

Description

The data set is used in Sample 13.2 and given in Table 13.1. The data set consists of 9 variables and 81 observations. This data contains security and social life indicators of cities in Turkey.

Usage

```
ssl
```

Format

A data frame with 81 rows and 9 variables. The variables are as follows:

Cities The names of cities in Turkey

X1 The murder rate in cities

X2 The number of traffic accidents in cities

X3 The rate of people who feel safe themselves when walking alone at night

X4 The rate of satisfaction from public security services

Y1 Cinema and theater audience

Y2 Shopping center area per thousand people

Y3 Satisfaction with social relations

Y4 Satisfaction with social life

Source

The data set is taken from Turkish Statistical Institute (TUIK) and used in the book entitled Multivariate Statistical Methods with R Applications (R Uygulamalari ile Cok Degiskenli Istatistiksel Yontemler), H.Bulut (2018).

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