Package 'datastat'

Type Package

Title Dataset for Statistical Analysis

Version 0.1.0

Language en-US

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Description Data are essential in statistical analysis.
This data package consists of four datasets for descriptive statistics, two datasets for statistical hypothesis testing, and two datasets for regression analysis.
All of the datasets are based on Rattanalertnusorn, A. (2024) <https://www.researchgate.net/publication/371944275_porkaermxarlaeakarprayuktchingan_R_and_its_applications>.

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Encoding UTF-8

LazyData true

Depends R (>= 2.10)

RoxygenNote 7.3.2

NeedsCompilation no

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Repository CRAN

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Contents

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data51 *Data set number 1 for descriptive statistics*

Description

A dataset of the final scores of 10 students

Usage

    data51

Format

data51 is a data frame with 10 rows and 1 column:

x Final score of each student

Source

<https://www.researchgate.net/publication/371944275_porkaermxarlaeakarprayuktchingan_R_and_its_applications>

References

Rattanalertnusorn, A. (2024). R and Its Application. TPN Press Ltd., Part. ISBN: 978-616-603-060-0. pp.122-123.

Examples

    data51

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data52 *Data set number 2 for descriptive statistics*

Description

A dataset of midterm scores from 5 students. Each student took the exam two subjects: Thai and English

Usage

    data52

Format

data52 is a data frame with 5 rows and 2 columns:

x Midterm score of English subject

y Midterm score of Thai subject

Source

<https://www.researchgate.net/publication/371944275_porkaermxarlaeakarprayuktchingan_R_and_its_applications>

References

Rattanalertnusorn, A. (2024). R and Its Application. TPN Press Ltd., Part. ISBN: 978-616-603-060-0. pp.125-128.

Examples

data52

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data53 *Data set number 3 for descriptive statistics*

Description

A dataset of the weights of 10 persons measure in kilogram

Usage

data53

Format

data53 is a data frame with 10 rows and 1 column:

x Weight of each person

Source

<https://www.researchgate.net/publication/371944275_porkaermxarlaeakarprayuktchingan_R_and_its_applications>

References

Rattanalertnusorn, A. (2024). R and Its Application. TPN Press Ltd., Part. ISBN: 978-616-603-060-0. pp.129-130.

Examples

data53

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data54 *Data set number 4 for descriptive statistics*

Description

A dataset of five students. Each student has name, age and gender

Usage

```
data54
```

Format

data54 is a data frame with 5 rows and 3 columns:

name Student name

age Student age

gender Student gender

Source

<https://www.researchgate.net/publication/371944275_porkaermxarlaeakarprayuktchingan_R_and_its_applications>

References

Rattanalertnusorn, A. (2024). R and Its Application. TPN Press Ltd., Part. ISBN: 978-616-603-060-0. pp.147.

Examples

```
data54
```

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data81 *Data set for statistical hypothesis testing*

Description

A dataset of the weight of two car types (type A and type B). The weight measured in kilograms

Usage

```
data81
```

Format

data81 is a data frame with 10 rows and 2 columns:

wtcar.a Weight of car type A

wtcar.b Weight of car type B

Source

<https://www.researchgate.net/publication/371944275_porkaermxarlaeakarprayuktchingan_R_and_its_applications>

References

Rattanalertnusorn, A. (2024). R and Its Application. TPN Press Ltd., Part. ISBN: 978-616-603-060-0. pp.237.

Examples

data81

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data82 *Data set for the paired t-test*

Description

A dataset of the pre-test and post-test scores

Usage

data82

Format

data82 is a data frame with 15 rows and 2 columns:

pretest The pre-test score

posttest The post-test score

Source

<https://www.researchgate.net/publication/371944275_porkaermxarlaeakarprayuktchingan_R_and_its_applications>

References

Rattanalertnusorn, A. (2024). R and Its Application. TPN Press Ltd., Part. ISBN: 978-616-603-060-0. pp.247.

Examples

    data82

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data91   *Data set for simple linear regression model*

Description

A dataset of the advertising costs and sales

Usage

    data91

Format

data91 is a data frame with 9 rows and 2 columns:

Advcosts The advertising costs are measured in a hundred thousand baht

Sales The sales are measured in a million bath

Source

<https://www.researchgate.net/publication/371944275_porkaermxarlaeakarprayuktchingan_R_and_its_applications>

References

Rattanalertnusorn, A. (2024). R and Its Application. TPN Press Ltd., Part. ISBN: 978-616-603-060-0. pp.265-266.

Examples

    data91

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data92   *Data set for multiple linear regression model*

Description

A dataset of salary, overtime, and savings per month of 12 employees

Usage

    data92

Format

data91 is a data frame with 12 rows and 3 columns:

x1 The salary of employees is measured in baht

x2 The overtime of employees is measured in baht

y The savings per month of employees are measured in baht

Source

<https://www.researchgate.net/publication/371944275_porkaermxarlaeakarprayuktchingan_R_and_its_applications>

References

Rattanalertnusorn, A. (2024). R and Its Application. TPN Press Ltd., Part. ISBN: 978-616-603-060-0. pp.275.

Examples

    data92

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