Package 'pattern.checks'

January 23, 2025

Type Package

Title Identifies Patterned Responses in Scales

Version 0.1.0

Description Identifies the entries with patterned responses for psychometric scales. The patterns included in the package are identical (a, a, a), ascending (a, b, c), descending (c, b, a), alternative (a, b, a, b / a, b, c, a, b, c).

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Encoding UTF-8

RoxygenNote 7.3.2

NeedsCompilation no

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Repository CRAN

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Contents

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pattern.abab   *Pattern : ab ab*

Description

Pattern : ab ab

Usage

```
pattern.abab(data, cols)
```

Arguments

data	The data set with the scored responses in the same order as it is administered
cols	The columns belonging to the psychometric scale/scales under scrutiny

Value

The participants (rows) following the pattern, and the list of said participants along with their responses for all the items in the scale

References

Kreitchmann, R. S., Abad, F. J., Ponsoda, V., Nieto, M. D., & Morillo, D. (2019) "Controlling for response biases in self-report scales" <doi:10.3389/fpsyg.2019.02309> Furnham, A. (1986) "Response bias, social desirability and dissimulation" <doi:10.1016/0191-8869(86)90014-0>

Examples

```
data <- data.frame(
    Q1 = c(1, 2, 1, 2),
    Q2 = c(2, 1, 2, 1),
    Q3 = c(1, 2, 1, 2),
    Q4 = c(2, 1, 2, 1)
)
pattern.abab(data, 1:4)
```

---

pattern.abcabc   *Pattern : abc abc*

Description

Pattern : abc abc

Usage

```
pattern.abcabc(data, cols)
```

Arguments

`data`	The data set with the scored responses in the same order as it is administered
`cols`	The columns belonging to the psychometric scale/scales under scrutiny

Value

The participants (rows) following the pattern, and the list of said participants along with their responses for all the items in the scale

References

Kreitchmann, R. S., Abad, F. J., Ponsoda, V., Nieto, M. D., & Morillo, D. (2019) "Controlling for response biases in self-report scales" <doi:10.3389/fpsyg.2019.02309> Furnham, A. (1986) "Response bias, social desirability and dissimulation" <doi:10.1016/0191-8869(86)90014-0>

Examples

```
data <- data.frame(
    Q1 = c(1, 2, 1, 2),
    Q2 = c(2, 1, 2, 1),
    Q3 = c(1, 2, 1, 2),
    Q4 = c(2, 1, 2, 1)
)
pattern.abcabc(data, 1:4)
```

---

pattern.as	*Pattern : Responses in ascending order*

Description

Pattern : Responses in ascending order

Usage

```
pattern.as(data, cols)
```

Arguments

`data`	The data set with the scored responses in the same order as it is administered
`cols`	The columns belonging to the psychometric scale/scales under scrutiny

Value

The participants (rows) following the pattern, and the list of said participants along with their responses for all the items in the scale

References

Kreitchmann, R. S., Abad, F. J., Ponsoda, V., Nieto, M. D., & Morillo, D. (2019) "Controlling for response biases in self-report scales" <doi:10.3389/fpsyg.2019.02309> Furnham, A. (1986) "Response bias, social desirability and dissimulation" <doi:10.1016/0191-8869(86)90014-0>

Examples

```
data <- data.frame(
    Q1 = c(1, 2, 1, 2),
    Q2 = c(2, 1, 2, 1),
    Q3 = c(1, 2, 1, 2),
    Q4 = c(2, 1, 2, 1)
)
pattern.as(data, 1:4)
```

---

pattern.ds   *Pattern : Responses in descending order*

Description

Pattern : Responses in descending order

Usage

```
pattern.ds(data, cols)
```

Arguments

data   The data set with the scored responses in the same order as it is administered

cols   The columns belonging to the psychometric scale/scales under scrutiny

Value

The participants (rows) following the pattern, and the list of said participants along with their responses for all the items in the scale

References

Kreitchmann, R. S., Abad, F. J., Ponsoda, V., Nieto, M. D., & Morillo, D. (2019) "Controlling for response biases in self-report scales" <doi:10.3389/fpsyg.2019.02309> Furnham, A. (1986) "Response bias, social desirability and dissimulation" <doi:10.1016/0191-8869(86)90014-0>

Examples

```
data <- data.frame(
    Q1 = c(1, 2, 1, 2),
    Q2 = c(2, 1, 2, 1),
    Q3 = c(1, 2, 1, 2),
    Q4 = c(2, 1, 2, 1)
)
pattern.ds(data, 1:4)
```

---

pattern.id	*Pattern : Identical responses*

Description

Pattern : Identical responses

Usage

```
pattern.id(data, cols)
```

Arguments

data	The data set with the scored responses in the same order as it is administered
cols	The columns belonging to the psychometric scale/scales under scrutiny

Value

The participants (rows) following the pattern, and the list of said participants along with their responses for all the items in the scale

References

Kreitchmann, R. S., Abad, F. J., Ponsoda, V., Nieto, M. D., & Morillo, D. (2019) "Controlling for response biases in self-report scales" <doi:10.3389/fpsyg.2019.02309> Furnham, A. (1986) "Response bias, social desirability and dissimulation" <doi:10.1016/0191-8869(86)90014-0>

Examples

```
data <- data.frame(
    Q1 = c(1, 2, 1, 2),
    Q2 = c(2, 1, 2, 1),
    Q3 = c(1, 2, 1, 2),
    Q4 = c(2, 1, 2, 1)
)
pattern.id(data, 1:4)
```

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