

Package ‘lonelyr’

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Title Scoring for Common Loneliness Scales

Version 0.1.0

Description Scoring functions for widely used loneliness measures, with response keys and reverse-scoring drawn from the original scale manuals. Covers the UCLA Loneliness Scale Version 3 and its three-item short form, the de Jong Gierveld 11- and 6-item scales, the Children's Loneliness and Social Dissatisfaction Scale, and the short Social and Emotional Loneliness Scale for Adults. Out-of-range responses raise a warning, and missing-data rules follow each scale's manual.

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Encoding UTF-8

RoxygenNote 7.3.3

Suggests testthat (>= 3.0.0)

Config/testthat/edition 3

URL <https://github.com/nsbyrd/lonelyr>

BugReports <https://github.com/nsbyrd/lonelyr/issues>

NeedsCompilation no

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loneliness_scales	<i>Registry of verified loneliness scales</i>
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Description

Registry of verified loneliness scales

Usage

loneliness_scales

Format

An object of class list of length 6.

score_djg	<i>Score a de Jong Gierveld loneliness scale (11- or 6-item)</i>
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Description

Dichotomous scoring from the scale manual (de Jong Gierveld & Van Tilburg, 1999). "More or less" always counts toward loneliness, and the scored direction flips by item valence. One missing item scores 0; two or more return NA.

Usage

score_djg(data, items, negative, positive, neutral, bands = FALSE)

Arguments

- | | |
|--------------------|---|
| data | Data frame with the item columns. |
| items | Item column names in scale order. |
| negative, positive | Integer positions of the negatively worded (emotional) and positively worded (social) items. |
| neutral | Code for the "more or less" response: 2 on a 3-point coding (1 no, 2 more or less, 3 yes) or 3 on a 5-point coding (1 no! to 5 yes!). |
| bands | If TRUE, adds the manual's tentative severity category (11-item only). |

Value

Data frame with djg_total, djg_emotional, djg_social, and djg_n_missing.

References

de Jong Gierveld, J., & Van Tilburg, T. (1999). Manual of the Loneliness Scale. Vrije Universiteit Amsterdam.

Examples

```
d <- as.data.frame(matrix(2, nrow = 2, ncol = 11))
names(d) <- paste0("q", 1:11)
score_djg(d, names(d),
          negative = c(2, 3, 5, 6, 9, 10),
          positive = c(1, 4, 7, 8, 11),
          neutral = 2)
```

score_likert	<i>Score a Likert-summed loneliness scale (UCLA family)</i>
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Description

Reverse-keys the positively worded items and returns the summed and mean scores. Responses outside the expected range raise a warning, which catches a mis-coded column.

Usage

```
score_likert(
  data,
  items,
  reverse = integer(0),
  response_range = c(1, 4),
  max_missing = 0
)
```

Arguments

data	Data frame with the item columns.
items	Character vector of item column names, in scale order. Order matters: reverse-keying is applied by item position.
reverse	Integer positions of the reverse-scored items.
response_range	Length-2 numeric giving the low and high response anchors.
max_missing	Most missing items allowed before a score returns NA. Above 0, the total is prorated from the item mean.

Value

Data frame with columns sum, mean, and n_valid.

References

Russell, D. W. (1996). UCLA Loneliness Scale (Version 3): Reliability, validity, and factor structure. *Journal of Personality Assessment*, 66(1), 20-40.

Examples

```
d <- as.data.frame(matrix(3, nrow = 2, ncol = 20))
names(d) <- paste0("q", 1:20)
score_likert(d, names(d), reverse = c(1, 5, 6, 9, 10, 15, 16, 19, 20))
```

score_loneliness	<i>Score any registered loneliness scale</i>
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Description

Looks up the scale in [loneliness_scales](#) and uses the right engine.

Usage

```
score_loneliness(data, items, scale, neutral = NULL, bands = FALSE)
```

Arguments

data	Data frame with the item columns.
items	Item column names in scale order.
scale	Scale key, e.g. "ucla20", "ucla3" (also known as "tils"), "djg11", "djg6", "lsdq", "selsa_s".
neutral	Required for de Jong scales: the "more or less" response code.
bands	Passed to the de Jong engine for the 11-item severity category.

Value

A data frame of scores; columns depend on the scale.

score_lsdq

*Score the Children's Loneliness and Social Dissatisfaction Scale***Description**

Asher, Hymel, and Renshaw's (1984) 24-item scale. The eight filler items (2, 5, 7, 11, 13, 15, 19, 23) are dropped. The six positively worded competence items (1, 4, 8, 10, 16, 22) are reverse-keyed so a higher total means more loneliness.

Usage

```
score_lsdq(data, items, max_missing = 0)
```

Arguments

data	Data frame with the 24 item columns.
items	The 24 column names in order (fillers included; dropped inside).
max_missing	Most missing scored items allowed before returning NA.

Value

Data frame with lsdq_sum and lsdq_n_valid.

References

Asher, S. R., Hymel, S., & Renshaw, P. D. (1984). Loneliness in children. *Child Development*, 55(4), 1456-1464.

Examples

```
d <- as.data.frame(matrix(3, nrow = 2, ncol = 24))
names(d) <- paste0("q", 1:24)
score_lsdq(d, names(d))
```

score_selsa_s

*Score the short Social and Emotional Loneliness Scale for Adults (SELSA-S)***Description**

DiTommaso, Brannen, and Best's (2004) 15-item scale, three subscales of five items each. Items 4, 5, 8, 9, 10, 14, 15 are reverse-keyed (8 minus score). Subscale scores are item means, higher meaning lonelier. Family and romantic combine into an emotional loneliness score.

Usage

```
score_selsa_s(data, items, max_missing = 0)
```

Arguments

<code>data</code>	Data frame with the 15 item columns.
<code>items</code>	The 15 column names in order: social 1-5, family 6-10, romantic 11-15.
<code>max_missing</code>	Most missing items allowed per subscale before that subscale returns NA.

Value

Data frame with `selsa_social`, `selsa_family`, `selsa_romantic`, `selsa_emotional`, and `selsa_n_valid`.

References

DiTommaso, E., Brannen, C., & Best, L. A. (2004). Measurement and validity characteristics of the short version of the Social and Emotional Loneliness Scale for Adults. *Educational and Psychological Measurement*, 64(1), 99-119.

Examples

```
d <- as.data.frame(matrix(4, nrow = 2, ncol = 15))
names(d) <- paste0("q", 1:15)
score_selsa_s(d, names(d))
```

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