

Package ‘satconcordance’

December 18, 2017

Type Package

Title Concordance for New and Old SAT Values

Version 0.1.0

Author Pete Barwis

Maintainer Pete Barwis <pbarwis@capturehighered.com>

Description Provides functions to recode new SAT to old SAT values, old SAT to new SAT values, new SAT to ACT values, and ACT to new SAT values. Functions use `dplyr::recode()`. Each function accepts a vector of values, recodes it, and returns the recoded vector.

License GPL-3

Encoding UTF-8

LazyData true

Imports dplyr

RoxygenNote 6.0.1

R topics documented:

act_english_to_new_sat_writing	2
act_to_new_sat	2
new_sat_ebrw_to_old_writingreading	3
new_sat_math_to_old_sat_math	4
new_sat_reading_to_old_sat_reading	4
new_sat_to_act	5
new_sat_to_old_sat_1600	6
new_sat_to_old_sat_2400	6
new_sat_writing_to_act_english	7
new_sat_writing_to_old_sat_writing	8
old_sat_math_to_new_sat_math_section	8
old_sat_math_to_new_sat_math_test	9
old_sat_reading_to_new_sat_reading	10
old_sat_to_new_sat_1600	10
old_sat_to_new_sat_2400	11
old_sat_writingreading_to_new_ebrw	12
old_sat_writing_to_new_sat_writing	12
Index	14

act_english_to_new_sat_writing

Recode ACT English/Writing test to new SAT writing and language section

Description

Function to recode ACT English/Writing test to new SAT writing and language section

Usage

```
act_english_to_new_sat_writing(x)
```

Arguments

x numeric vector of ACT English/Writing test values

Value

integer vector of new SAT writing and language section values

Examples

```
require(dplyr)

act_vals <- sample(11:36, 10)
new_sat_vals <- act_english_to_new_sat_writing(act_vals)
act_new_vals <- data.frame(act_vals, new_sat_vals)
print(act_new_vals)

act_new_vals %>%
  mutate(new_sat_vals_piped = act_english_to_new_sat_writing(act_vals))
```

act_to_new_sat

Recode ACT to new SAT (1600 scale)

Description

Function to recode ACT to new SAT (1600 scale)

Usage

```
act_to_new_sat(x)
```

Arguments

x numeric vector of ACT values

Value

integer vector of new SAT values (1600 scale)

Examples

```
require(dplyr)

act_vals <- sample(11:36, 10)
new_sat_vals <- act_to_new_sat(act_vals)
act_new_vals <- data.frame(act_vals, new_sat_vals)
print(act_new_vals)

act_new_vals %>%
  mutate(new_sat_vals_piped = act_to_new_sat(act_vals))
```

```
new_sat_ebrw_to_old_writingreading
```

Recode new SAT EBRW section to old SAT writing plus critical reading sections

Description

Function to recode new SAT Evidence-Based Reading and Writing Section test to old SAT writing plus critical reading sections

Usage

```
new_sat_ebrw_to_old_writingreading(x)
```

Arguments

x numeric vector of new SAT EBRW section values

Value

integer vector of old SAT writing plus critical reading section values

Examples

```
require(dplyr)

new_sat_vals <- round(sample(200:800, 10), -1)
old_sat_vals <- new_sat_ebrw_to_old_writingreading(new_sat_vals)
new_old_vals <- data.frame(new_sat_vals, old_sat_vals)
print(new_old_vals)

new_old_vals %>%
  mutate(old_sat_vals_piped = new_sat_ebrw_to_old_writingreading(new_sat_vals))
```

`new_sat_math_to_old_sat_math`*Recode new SAT math section to old SAT math section*

Description

Function to recode new SAT math section to old SAT math section

Usage

```
new_sat_math_to_old_sat_math(x)
```

Arguments

`x` numeric vector of new SAT math section values

Value

integer vector of old SAT math section values

Examples

```
require(dplyr)

new_sat_vals <- round(sample(200:800, 10), -1)
old_sat_vals <- new_sat_math_to_old_sat_math(new_sat_vals)
new_old_vals <- data.frame(new_sat_vals, old_sat_vals)
print(new_old_vals)

new_old_vals %>%
  mutate(old_sat_vals_piped = new_sat_math_to_old_sat_math(new_sat_vals))
```

`new_sat_reading_to_old_sat_reading`*Recode new SAT reading test to old SAT critical reading section*

Description

Function to recode new SAT reading test to old SAT critical reading section

Usage

```
new_sat_reading_to_old_sat_reading(x)
```

Arguments

`x` numeric vector of new SAT reading test values

Value

integer vector of old SAT critical reading section values

Examples

```
require(dplyr)

new_sat_vals <- sample(10:40, 10)
old_sat_vals <- new_sat_reading_to_old_sat_reading(new_sat_vals)
new_old_vals <- data.frame(new_sat_vals, old_sat_vals)
print(new_old_vals)

new_old_vals %>%
  mutate(old_sat_vals_piped = new_sat_reading_to_old_sat_reading(new_sat_vals))
```

new_sat_to_act	<i>Recode new SAT (1600 scale) to ACT</i>
----------------	---

Description

Function to recode new SAT (1600 scale) to ACT

Usage

```
new_sat_to_act(x)
```

Arguments

x numeric vector of new SAT values (1600 scale)

Value

integer vector of ACT values

Examples

```
require(dplyr)

new_sat_vals <- round(sample(560:1600, 10), -1)
act_vals <- new_sat_to_act(new_sat_vals)
new_act_vals <- data.frame(new_sat_vals, act_vals)
print(new_act_vals)

new_act_vals %>%
  mutate(act_vals_piped = new_sat_to_act(new_sat_vals))
```

`new_sat_to_old_sat_1600`*Recode new SAT (1600 scale) to old SAT (1600 scale)*

Description

Function to recode new SAT (1600 scale) to old SAT (1600 scale)

Usage

```
new_sat_to_old_sat_1600(x)
```

Arguments

`x` numeric vector of new SAT values on 1600 scale

Value

integer vector of old SAT values on 1600 scale

Examples

```
require(dplyr)

new_sat_vals <- round(sample(400:1600, 10), -1)
old_sat_vals <- new_sat_to_old_sat_1600(new_sat_vals)
new_old_vals <- data.frame(new_sat_vals, old_sat_vals)
print(new_old_vals)

new_old_vals %>%
  mutate(old_sat_vals_piped = new_sat_to_old_sat_1600(new_sat_vals))
```

`new_sat_to_old_sat_2400`*Recode new SAT (1600 scale) to old SAT (2400 scale)*

Description

Function to recode new SAT (1600 scale) to old SAT (2400 Scale)

Usage

```
new_sat_to_old_sat_2400(x)
```

Arguments

`x` numeric vector of new SAT values on 1600 scale

Value

integer vector of old SAT values on 2400 scale

Examples

```
require(dplyr)

new_sat_vals <- round(sample(400:1600, 10), -1)
old_sat_vals <- new_sat_to_old_sat_2400(new_sat_vals)
new_old_vals <- data.frame(new_sat_vals, old_sat_vals)
print(new_old_vals)

new_old_vals %>%
  mutate(old_sat_vals_piped = new_sat_to_old_sat_2400(new_sat_vals))
```

```
new_sat_writing_to_act_english
```

Recode new SAT writing and language section to ACT English/Writing test

Description

Function to recode new SAT writing and language section to ACT English/Writing test

Usage

```
new_sat_writing_to_act_english(x)
```

Arguments

x numeric vector of new SAT writing and language section values

Value

integer vector of ACT English/Writing test values

Examples

```
require(dplyr)

new_sat_vals <- sample(17:40, 10)
act_vals <- new_sat_writing_to_act_english(new_sat_vals)
new_act_vals <- data.frame(new_sat_vals, act_vals)
print(new_act_vals)

new_act_vals %>%
  mutate(act_vals_piped = new_sat_to_act(new_sat_vals))
```

```
new_sat_writing_to_old_sat_writing
```

Recode new SAT writing and language test to old SAT writing section

Description

Function to recode new SAT writing and language test to old SAT writing section

Usage

```
new_sat_writing_to_old_sat_writing(x)
```

Arguments

x numeric vector of new SAT writing and language values

Value

integer vector of old SAT writing section values

Examples

```
require(dplyr)

new_sat_vals <- sample(10:40, 10)
old_sat_vals <- new_sat_writing_to_old_sat_writing(new_sat_vals)
new_old_vals <- data.frame(new_sat_vals, old_sat_vals)
print(new_old_vals)

new_old_vals %>%
  mutate(old_sat_vals_piped = new_sat_writing_to_old_sat_writing(new_sat_vals))
```

```
old_sat_math_to_new_sat_math_section
```

Recode old SAT math section to new SAT math section (200-800 scale)

Description

Function to recode old SAT math section to new SAT math section (200-800 scale)

Usage

```
old_sat_math_to_new_sat_math_section(x)
```

Arguments

x numeric vector of old SAT math section values

Value

integer vector of new SAT math section values (200-800 scale)

Examples

```
require(dplyr)

old_sat_vals <- round(sample(200:800, 10), -1)
new_sat_vals <- old_sat_math_to_new_sat_math_section(old_sat_vals)
old_new_vals <- data.frame(old_sat_vals, new_sat_vals)
print(old_new_vals)

old_new_vals %>%
  mutate(new_sat_vals_piped = old_sat_math_to_new_sat_math_section(old_sat_vals))
```

old_sat_math_to_new_sat_math_test

Recode old SAT math section to new SAT math test (10-40 scale)

Description

Function to recode old SAT math section to new SAT math test (10-40 scale)

Usage

```
old_sat_math_to_new_sat_math_test(x)
```

Arguments

x numeric vector of old SAT math section values

Value

integer vector of new SAT math test values (10-40 scale)

Examples

```
require(dplyr)

old_sat_vals <- round(sample(200:800, 10), -1)
new_sat_vals <- old_sat_math_to_new_sat_math_test(old_sat_vals)
old_new_vals <- data.frame(old_sat_vals, new_sat_vals)
print(old_new_vals)

old_new_vals %>%
  mutate(new_sat_vals_piped = old_sat_math_to_new_sat_math_test(old_sat_vals))
```

```
old_sat_reading_to_new_sat_reading
```

Recode old SAT critical reading test to new SAT reading section

Description

Function to recode old SAT critical reading test to new SAT reading section

Usage

```
old_sat_reading_to_new_sat_reading(x)
```

Arguments

x numeric vector of old SAT critical reading test values

Value

integer vector of new SAT reading section values

Examples

```
require(dplyr)

old_sat_vals <- round(sample(200:800, 10), -1)
new_sat_vals <- old_sat_reading_to_new_sat_reading(old_sat_vals)
old_new_vals <- data.frame(old_sat_vals, new_sat_vals)
print(old_new_vals)

old_new_vals %>%
  mutate(new_sat_vals_piped = old_sat_reading_to_new_sat_reading(old_sat_vals))
```

```
old_sat_to_new_sat_1600
```

Recode old SAT (1600 scale) to new SAT (1600 scale)

Description

Function to recode old SAT (1600 scale) to new SAT (1600 scale)

Usage

```
old_sat_to_new_sat_1600(x)
```

Arguments

x numeric vector of old SAT values on 1600 scale

Value

integer vector of new SAT values on 1600 scale

Examples

```
require(dplyr)

old_sat_vals <- round(sample(400:1600, 10), -1)
new_sat_vals <- old_sat_to_new_sat_1600(old_sat_vals)
old_new_vals <- data.frame(old_sat_vals, new_sat_vals)
print(old_new_vals)

old_new_vals %>%
  mutate(new_sat_vals_piped = old_sat_to_new_sat_1600(old_sat_vals))
```

old_sat_to_new_sat_2400

Recode old SAT (2400 scale) to new SAT (1600 scale)

Description

Function to recode old SAT (2400 scale) to new SAT (1600 Scale)

Usage

```
old_sat_to_new_sat_2400(x)
```

Arguments

x numeric vector of old SAT values on 2400 scale

Value

integer vector of new SAT values on 1600 scale

Examples

```
require(dplyr)

old_sat_vals <- round(sample(600:2400, 10), -1)
new_sat_vals <- old_sat_to_new_sat_2400(old_sat_vals)
old_new_vals <- data.frame(old_sat_vals, new_sat_vals)
print(old_new_vals)

old_new_vals %>%
  mutate(new_sat_vals_piped = old_sat_to_new_sat_2400(old_sat_vals))
```

```
old_sat_writingreading_to_new_ebrw
```

Recode old SAT writing plus critical reading sections to new SAT EBRW section

Description

Function to recode old SAT writing plus critical reading sections to new SAT Evidence-Based Reading and Writing Section test

Usage

```
old_sat_writingreading_to_new_ebrw(x)
```

Arguments

`x` numeric vector of old SAT writing plus critical reading section values

Value

integer vector of new SAT EBRW section values

Examples

```
require(dplyr)

old_sat_vals <- round(sample(400:1600, 10), -1)
new_sat_vals <- old_sat_writingreading_to_new_ebrw(old_sat_vals)
old_new_vals <- data.frame(old_sat_vals, new_sat_vals)
print(old_new_vals)

old_new_vals %>%
  mutate(new_sat_vals_piped = old_sat_writingreading_to_new_ebrw(old_sat_vals))
```

```
old_sat_writing_to_new_sat_writing
```

Recode old SAT writing test to new SAT writing and language section

Description

Function to recode old SAT writing test to new SAT writing and language section

Usage

```
old_sat_writing_to_new_sat_writing(x)
```

Arguments

`x` numeric vector of old SAT writing values

Value

integer vector of new SAT writing and language section values

Examples

```
require(dplyr)

old_sat_vals <- round(sample(200:800, 10), -1)
new_sat_vals <- old_sat_writing_to_new_sat_writing(old_sat_vals)
old_new_vals <- data.frame(old_sat_vals, new_sat_vals)
print(old_new_vals)

old_new_vals %>%
  mutate(new_sat_vals_piped = old_sat_writing_to_new_sat_writing(old_sat_vals))
```

Index

act_english_to_new_sat_writing, [2](#)
act_to_new_sat, [2](#)

new_sat_ebrw_to_old_writingreading, [3](#)
new_sat_math_to_old_sat_math, [4](#)
new_sat_reading_to_old_sat_reading, [4](#)
new_sat_to_act, [5](#)
new_sat_to_old_sat_1600, [6](#)
new_sat_to_old_sat_2400, [6](#)
new_sat_writing_to_act_english, [7](#)
new_sat_writing_to_old_sat_writing, [8](#)

old_sat_math_to_new_sat_math_section,
 [8](#)
old_sat_math_to_new_sat_math_test, [9](#)
old_sat_reading_to_new_sat_reading, [10](#)
old_sat_to_new_sat_1600, [10](#)
old_sat_to_new_sat_2400, [11](#)
old_sat_writing_to_new_sat_writing, [12](#)
old_sat_writingreading_to_new_ebrw, [12](#)