Package 'satconcordance'

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Type Package

Title Concordance for New and Old SAT Values

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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

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

Description

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

Usage

```
act_english_to_new_sat_writing(x)
```

Arguments

x   numeric vector of ACT Enlish/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 *Recode new SAT (1600 scale) to ACT*

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 Enlish/Writing test

---

Description

Function to recode new SAT writing and language section to ACT Enlish/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 Enlish/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))
```

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