

Package ‘syntaxr’

October 14, 2022

Type Package

Title An 'SPSS' Syntax Generator for Multi-Variable Manipulation

Version 0.8.0

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URL <https://github.com/greenmeen/syntaxr>

BugReports <https://github.com/greenmeen/syntaxr/issues>

Description A set of functions for generating 'SPSS' syntax files from the R environment.

Imports magrittr

Suggests covr, haven, testthat

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Encoding UTF-8

LazyData true

RoxygenNote 6.1.1

NeedsCompilation no

Repository CRAN

Date/Publication 2019-04-06 11:10:03 UTC

R topics documented:

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spss.compute.concat *Generate SPSS 'COMPUTE' syntax to compute the CONCAT() of two (sets of) variables.*

Description

Generate SPSS 'COMPUTE' syntax to compute the CONCAT() of two (sets of) variables.

Usage

```
spss.compute.concat(str1, str2, names)
```

Arguments

| | |
|-------|---|
| str1 | the first argument for CONCAT(). |
| str2 | the second argument for CONCAT(). |
| names | the name(s) of the variable(s) to be created. |

Examples

```
spss.compute.concat("feedback", "feedback_f", "enfr.feedback")
spss.compute.concat("feedback", "feedback_f", "enfr.feedback")
```

spss.compute.max *Generate SPSS 'COMPUTE' syntax to compute the MAX() of two (sets of) variables.*

Description

Generate SPSS 'COMPUTE' syntax to compute the MAX() of two (sets of) variables.

Usage

```
spss.compute.max(var1, var2, append = "new.", ...)
```

Arguments

| | |
|--------|--|
| var1 | the first argument for MAX(). Used for the naming of the output variable(s). |
| var2 | the second argument for MAX(). |
| append | specifies the text that should be appended to the name(s) of the variable(s) in var1 to create the output variable(s). |
| ... | any additional arguments that can be passed to functions spss.format.max and spss.format.compute |

Examples

```
spss.compute.max(c("dob", "income"), c("dob_f", "income_f"), append = "total.")
spss.compute.max(c("dob", "income"), c("dob_f", "income_f"))
```

| | |
|-----------------|---|
| spss.concat.new | <i>Generate SPSS 'STRING' syntax and 'COMPUTE' syntax to compute the CONCAT() of two (sets of) variables.</i> |
|-----------------|---|

Description

Generate SPSS 'STRING' syntax and 'COMPUTE' syntax to compute the CONCAT() of two (sets of) variables.

Usage

```
spss.concat.new(str1, str2, append = "", name = "", ...)
```

Arguments

| | |
|--------|---|
| str1 | the first argument for CONCAT(). Used for the naming of the output variable(s). |
| str2 | the second argument for CONCAT(). |
| append | specifies the text that should be appended to the name(s) of the variable(s) in str1 to create the output variable(s). Defaults to an empty string. |
| name | specifies the name of the new String variable to be created. Defaults to an empty string ; if left unspecified, the function will use the append parameter. |
| ... | any additional arguments that can be passed to functions spss.string and spss.compute.concat |

Examples

```
spss.concat.new(c("dob", "income"), c("dob_f", "income_f"), append = "total.")
spss.concat.new(c("dob", "income"), c("dob_f", "income_f"))
```

| | |
|---------------------|---|
| spss.format.compute | <i>Generate SPSS 'COMPUTE' syntax to carry out an operation on two (sets of) variables.</i> |
|---------------------|---|

Description

Generate SPSS 'COMPUTE' syntax to carry out an operation on two (sets of) variables.

Usage

```
spss.format.compute(output, operation)
```

Arguments

| | |
|-----------|---|
| output | specifies the name(s) of the output variable(s) of COMPUTE(). |
| operation | specifies the computational operation to be carried out. |

Examples

```
spss.format.compute("new.var", "MAX(var1,var2)")
spss.format.compute(c("dob", "comments"), c("MAX(dob,dob_f)", "CONCAT(comments,comments_f)"))
spss.format.compute("string.var", "CONCAT(string1,string2)")
```

spss.format.concat *Generate SPSS 'concat()' syntax for two (sets of) variables.*

Description

Generate SPSS 'concat()' syntax for two (sets of) variables.

Usage

```
spss.format.concat(var1, var2)
```

Arguments

| | |
|------|-----------------------------------|
| var1 | the first argument for concat(). |
| var2 | the second argument for concat(). |

Examples

```
spss.format.concat(c("dob", "income"), c("dob_f", "income_f"))
spss.format.concat("income", "income_f")
```

spss.format.max *Generate SPSS 'MAX()' syntax for two (sets of) variables.*

Description

Generate SPSS 'MAX()' syntax for two (sets of) variables.

Usage

```
spss.format.max(var1, var2)
```

Arguments

| | |
|------|--------------------------------|
| var1 | the first argument for MAX(). |
| var2 | the second argument for MAX(). |

Examples

```
spss.format.max(c("dob", "income"), c("dob_f", "income_f"))
spss.format.max("income", "income_f")
```

| | |
|-------------|---|
| spss.rename | <i>Generate SPSS 'RENAME' syntax to rename a (set of) variables into another.</i> |
|-------------|---|

Description

Generate SPSS 'RENAME' syntax to rename a (set of) variables into another.

Usage

```
spss.rename(values, rename)
```

Arguments

| | |
|--------|----------------------------------|
| values | the variable(s) to be renamed. |
| rename | the name(s) to use for renaming. |

Examples

```
spss.rename(c("oldname1", "oldname2", "oldname3"), c("new1", "new2", "new3"))
spss.rename(c("oldname1", "oldname2"), c("new1", "new2"))
```

| | |
|------------|--|
| spss.rtrim | <i>Generate SPSS 'RTRIM' syntax to apply RTRIM() to a string variable.</i> |
|------------|--|

Description

Generate SPSS 'RTRIM' syntax to apply RTRIM() to a string variable.

Usage

```
spss.rtrim(str)
```

Arguments

| | |
|-----|----------------------------------|
| str | the string argument for RTRIM(). |
|-----|----------------------------------|

Examples

```
spss.rtrim("variable_to_be_trimmed")
```

spss.string *Generate SPSS 'STRING' syntax to create a variable of type string.*

Description

Generate SPSS 'STRING' syntax to create a variable of type string.

Usage

```
spss.string(names, string.format = "A15")
```

Arguments

names the name(s) of the variable(s) to be created.
string.format specifies the formatting to use when creating the string variable. Defaults to "A15".

Examples

```
spss.string("my.string")  
spss.string("long.string", string.format = "A40")
```

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