REMOVEWHITESPACE Function

Removes all whitespace from a string, including leading and trailing whitespace and all whitespace within the string.

Spacing between words is removed.

Wrangle vs. SQL: This function is part of Wrangle , a proprietary data transformation language. Wrangle is not SQL. For more information, see *Wrangle Language*.

Basic Usage

Column reference example:

```
removewhitespace(MyName)
```

Output: Returns the value of the `MyName` column value with all whitespace removed.

String literal example:

```
removewhitespace(' Hello, World ')
```

Output: Returns the string: `Hello,World`.

Syntax and Arguments

```
removewhitespace(column_string)
```

Argument	Required?	Data Type	Description
column_string	Y	string	Name of the column or string literal to be applied to the function

For more information on syntax standards, see *Language Documentation Syntax Notes*.

column_string

Name of the column or string constant to be cleaned of whitespace.

- Missing string or column values generate missing string results.
- String constants must be quoted (`'Hello, World'`).
- Multiple columns and wildcards are not supported.

Usage Notes:

Required?	Data Type	Example Value
Yes	String literal or column reference	`myColumn`

Examples

> **Tip:** For additional examples, see *Common Tasks*.

Example - String cleanup functions together

The following example demonstrates functions that can be used to clean up strings. These functions include the following:

- `TRIM` - remove leading and trailing whitespace. See *TRIM Function*.
- `REMOVEWHITESPACE` - remove leading and trailing whitespace and all whitespace in between. See *REMOVEWHITESPACE Function*.
- `REMOVESYMBOLS` - remove all characters that are not alpha-numeric or whitespace. See *REMOVESYMBOLS Function*.

Source:

In the following `(space)` and `(tab)` indicate space keys and tabs, respectively. Carriage return and newline characters are also supported by whitespace functions.

Strings	source
String01	this source(space)(space)
String02	(tab)(tab)this source
String03	(tab)(tab)this source(space)(space)
String04	this source's?
String05	Why, you @#$%^&*()!
String06	this sörce
String07	(space)this sörce
String08	à mañana

Transformation:

The following transformation steps generate new columns using each of the string cleanup functions:

Transformation Name	New formula
Parameter: Formula type	Single row formula
Parameter: Formula	TRIM(source)
Parameter: New column name	'trim_source'

Transformation Name	New formula
Parameter: Formula type	Single row formula
Parameter: Formula	REMOVEWHITESPACE(source)
Parameter: New column name	'removewhitespace_source'

Transformation Name	New formula
Parameter: Formula type	Single row formula
Parameter: Formula	REMOVESYMBOLS(source)

Parameter: New column name	'removesymbols_source'

Results:

Strings	source	removesymbols_source	removewhitespace_source	trim_source
String01	this source(space)(space)	this source(space)(space)	thissource	this source
String02	(tab)(tab)this source	(tab)(tab)this source	thissource	this source
String03	(tab)(tab)this source(space)(space)	(tab)(tab)this source(space)(space)	thissource	this source
String04	this source's?	this sources	thissource's?	this source's?
String05	"Why, you @#$%^&*()!"	Why you	Why,you@#$%^&*()!	Why, you @#$%^&*()!
String06	this söurce	this söurce	thissöurce	this söurce
String07	(space)this söurce	(space)this söurce	thissöurce	this söurce
String08	à mañana	à mañana	àmañana	à mañana