

TRANSLITERATE Function

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Transliterates Asian script characters from one script form to another. The string can be specified as a column reference or a string literal.

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:

```
transliterate(MyJapaneseSentences,HiraganaToKatakana)
```

Output: Returns the values in the `myJapaneseSentences` transliterated from Hiragana script form to Katakana script form.

Syntax and Arguments

```
transliterate(column_string,form_enum)
```

Argument	Required?	Data Type	Description
column_string	Y	string	Name of the column or string literal to be applied to the function
form_enum	Y	string (enumerated value)	The transliteration form as an enumerated value. Details below.

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

column_string

Name of the column or string constant to be transliterated. String values must be in a supported Japanese script form. See below.

- 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
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Yes	String literal or column reference	myColumn
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form_enum

Enumerated value to indicate the transliteration to apply to the referenced column:

NOTE: Each width option can be paired with each form option. Four separate options are supported.

Enum value	Description
HiraganaToKatakana	Transliterates Hiragana to Katagana
KatakanaToHiragana	Transliterates Katagana to Hiragana
FullwidthToHalfwidth	Transliterates full-width forms to half-width form
HalfwidthToFullwidth	Transliterates half-width forms to full-width form

Usage Notes:

Required?	Data Type	Example Value
Yes	String (enumerated type)	HiraganaToKatakana

Examples

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

Example - TRANSLITERATE Function

Source:

English	Japanese_Hiragana
a	
i	
u	
e	
o	
ka	
ki	
ku	
ke	
ko	

Transformation:

The following transliterates the above characters into Katakana form:

Transformation Name	New formula
Parameter: Formula type	Single row formula
Parameter: Formula	transliterate(Japanese_Hiragana, HiraganaToKatakana)
Parameter: New column name	'Japanese_Katakana '

The generated Katakana form is full-width. The following transliterates that column into half-width form:

Transformation Name	New formula
Parameter: Formula type	Single row formula
Parameter: Formula	transliterate(Japanese_Katakana, FullwidthToHalfwidth)
Parameter: New column name	'Japanese_Katakana_halfwidth'

Results:

English	Japanese_Hiragana	Japanese_Katakana	Japanese_Katakana_halfwidth
a			
i			
u			
e			
o			
ka			
ki			
ku			
ke			
ko			