Calculating Values Using Numeric Scalar Functions

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Overview

Numeric Functions

- Round Up
- Round Down
- Remainder

Function Names

- CEILING
- FLOOR
- ROUND
- %

Modulus

- Tag Customers
- A-B Testing

```
CAST
(   Expression
    AS  Data type                    )
```

Numeric Scalar Functions

Expression	Column or expression
Data type	The name of the data type to return the data into

Round numbers up or down to the nearest integer.

CEILING

(Expression)

Numeric Scalar Functions

Expression Column or expression to round up to the nearest whole number

FLOOR

(Expression)

Numeric Scalar Functions

Expression Column or expression to round down to the nearest whole number

The ROUND Function

ROUND

(Numeric expression

, Length

, Function

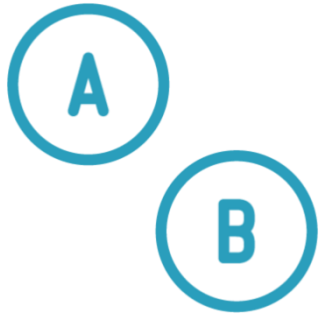
)

Numeric Scalar Functions

Numeric expression	Column or expression representing a number
Length	Positive indicates decimal places Negative indicates place value
Function	0 indicates round > 0 indicates truncate

Creating A-B Customer Tags with MODULUS

Customer Groups



Divide Customers

Into Different Groups

Different Offers

For each Group

Compare

One Offer

With another

Odd or even?

MODULUS

CUSTOMER
1
3
5
7
9

2

1

Takes

a number

Divides

By another number

Returns

The Remainder

MODULUS

CUSTOMER
0
2
4
6
8

2

0

Takes

a number

Divides

By another number

Returns

The Remainder

DATEPART

(Datepart

, Date)

Scalar Functions

Datepart	Part of the date to extract
Date	The date that the date part is extracted from

Creating Alternating Customer A-B Tags

Summary

Numeric SCALAR Functions

- CEILING
- FLOOR
- CAST
- ROUND
- %