

# Decimal Data Type

Decimal data type applies to floating points up to 15 digits in length.

- Punctuation such as commas and dollar signs (\$) are not supported. These markers must be removed from numeric values through transform steps before you can change the type to Decimal.
- The following range is considered safe for values of this type. There may be inconsistencies in output for values outside this range:
  - **Safe minimum:**  $4.9406564584124654e-324$
  - **Safe maximum:**  $1.7976931348623157e+308$

## Notes:

- Decimal values that are longer than 15 digits are treated as String values and may appear as mismatched values in a Decimal column.
- Scientific notation is supported.
- Trifacta utilizes Java's Float data type for its Decimal data validation, which may result in some loss of precision in rare cases.

## Examples:

- 123.45
- 3000.00
- $1.2345678E+22$
- $7.4423e-12$
- $-4.123e+12$