

# Supported Data Types

Dataprep by Trifacta® supports the following data types.

**Tip:** Transformations that include functions work only if the inputs are of a data type and format valid for the function. You should clean up the type and format of your columns before you apply transformations to them.

## Supported Data Types

Item	Description
<i>String Data Type</i>	Any non-null value can be typed as String. A String can be anything.
<i>Integer Data Type</i>	The Integer data type applies to positive and negative numeric values that have no decimal point.
<i>Decimal Data Type</i>	Decimal data type applies to floating points up to 15 digits in length. <ul style="list-style-type: none"><li>• In the Trifacta application, this data type is referenced as <code>Decimal</code>.</li><li>• In storage, this data type is written as <code>Double</code>.</li></ul>
<i>Boolean Data Type</i>	The Boolean data type expresses true or false values.
<i>Social Security Number Data Type</i>	This data type is applied to numeric data following the pattern for United States Social Security numbers.
<i>Phone Number Data Type</i>	This data type is applied to numeric data following common patterns that express telephone numbers and known valid phone numbers in the United States.
<i>Email Address Data Type</i>	This data type matches text values that are properly formatted email addresses.
<i>Credit Card Data Type</i>	Credit card numbers are numeric data that follow the 14-digit or 16-digit patterns for credit cards.
<i>Gender Data Type</i>	This data type matches a variety of text patterns for expressing male/female distinctions.
<i>Zip Code Data Type</i>	This data type matches five- and nine-digit U.S. zipcode patterns.
<i>State Data Type</i>	State data type is applied to data that uses the full names or the two-letter abbreviations for states in the United States.
<i>Object Data Type</i>	An <b>Object</b> data type is a method for encoding key-value pairs. A single field value may contain one or more sets of key-value pairs.
<i>Array Data Type</i>	An <b>array</b> is a list of values grouped into a single value. An array may be of variable length; in one record the array field may contain two elements, while in the next record, it contains six elements.
<i>IP Address Data Type</i>	The IP Address data type supports IPv4 address.
<i>URL Data Type</i>	URL data type is applied to data that follows generalized patterns of URLs.
<i>HTTP Code Data Type</i>	Values of these data types are three-digit numeric values, which correspond to recognized HTTP Status Codes.
<i>Datetime Data Type</i>	Dataprep by Trifacta® supports a variety of Datetime formats, each of which has additional variations to it.