

Data Type Validation Patterns

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- *Credit Card*
 - *Email Address*
 - *Gender*
 - *Phone Number*
 - *Social Security Number*
 - *State*
 - *Zip Code*
-

The following Trifacta® data types utilize regular expressions to validate data against the type. For other data types, validation is performed without using regular expressions.

For a list of Trifacta data types, see *Supported Data Types*.

Patterns matching the following regular expressions are considered valid for the listed data type.

Credit Card

```
^4\d{3}[ -]?(\d{4}[ -])?{3}$  
^5[1-5]\d{2}[ -]?(\d{4}[ -])?{3}$  
^3[4,7]\d{2}[ -]?\d{6}[ -]?\d{5}$  
^6(011|(5\d{2})) [ -]?(\d{4}[ -])?{3}$  
^((35\d{2}[ -]?\d{4}[ -])?{3})|((1800|2131)[ -]?\d{4}[ -])?{2}\d{3})$  
^3((0[0-5]\d{1})|([6,8]\d{2})) [ -]?\d{6}[ -]?\d{5}$
```

Email Address

```
^[a-z0-9.!#$%&'*/+=?^_`{|}~-]+@[a-z0-9.-]+(?:\.[a-z0-9-]+)*\.[a-z]{2,}$
```

Gender

```
^(m(?:ale)?|f(?:emale)?)$
```

