

Data Type Validation Patterns

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- *Credit Card*
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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}[ -])?{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}[ -])?{5}$
```

Email Address

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

Gender

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

Phone Number

```
^(?:\+?1\\s*(?:[\\.-]\\s*)?)?(?:\(\s*(?:[2-9]1[02-9]|[2-9][02-8][0-9])\\s*\)|(?:[2-9]1[02-9]|[2-9][02-8]1|[2-9][02-8][02-9])\\s*(?:[.-]\\s*)?)?(?:[2-9]1[02-9]|[2-9][02-9]1|[2-9][02-9]{2})\\s*(?:[.-]\\s*)?(?:[0-9]{4})?(?:\\s*(?:#|x\\.?.?|ext\\.?.?|extension)\\s*(?:\d+))?$
```

Social Security Number

```
^(00[1-9]|0[1-9]\\d|66[0-57-9]|6[0-57-9]\\d|[1-57-8]\\d{2})([ -]?(0[1-9]|[1-9]\\d)\\d(000[1-9]|00[1-9]\\d|0[1-9]\\d{2}|[1-9]\\d{3}))$
```

State

```
^(al|ak|az|ar|ca|co|ct|de|fl|ga|hi|id|il|in|ia|ks|ky|la|me|md|ma|mi|mn|ms|mo|mt|ne|nv|nh|nj|nm|ny|nc|nd|oh|ok|or|pa|ri|sc|sd|tn|tx|ut|vt|va|wa|wv|wi|wy|pr|dc|vi)$ ^  
(alabama|alaska|arizona|arkansas|california|colorado|connecticut|delaware|florida|georgia|hawaii|idaho|illinois|indiana|iowa|kansas|kentucky|louisiana|maine|maryland|massachusetts|michigan|minnesota|mississippi|missouri|montana|nebraska|nevada|new hampshire|new jersey|new mexico|new york|north carolina|north dakota|ohio|oklahoma|oregon|pennsylvania|rhode island|south carolina|south dakota|tennessee|texas|utah|vermont|virginia|washington|west virginia|wisconsin|wyoming|puerto rico|district of columbia|virgin islands)$
```

Zip Code

```
^(\\\d]{5}|\\\d]{9})$  
^\\\d]{5}-\\\d]{4}
```