

# Transformer Toolbar

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At the top of the data grid and the column browser, the Transformer toolbar provides quick access to common transformations. When a tool is selected from one of the drop-downs in the toolbar, a new step is inserted into the current location in your recipe with some parameters pre-specified for you. You can then finish specifying the parameters of the transformation in the Transform Builder.



**Figure: Transformer Toolbar**

## Grid/Columns

Use these buttons to toggle between the data grid and column browser views of the Transformer page.

- See *Data Grid Panel*.
- See *Column Browser Panel*.

## Undo/Redo

Undo or redo previous actions.

## Replace

Replace cell values based on data type validation, string literals, or patterns. See *Replace Values*.

## Extract

Extract string or numeric values using data validation, literal matches, or patterns. See *Extract Values*.

## Count Matches

Count the number of matching literals or patterns in a column.

## Split Column

Split a single column into multiple columns based on a common delimiter or a pattern-based expression.

## Merge Columns

Merge two or more columns together.

## Format

Format String and Datetime values using a variety of functions.

## Group by

Compute aggregation functions for values grouped by columns. Output is new table or one or more columns in the current dataset. For more information, see *Create Aggregations*.

## Pivot

Generate a pivot table of your data based on specified row and column labels. See *Pivot Data*.

## Unpivot

Collapse columns into row data.

## Convert values to columns

Reshape your data by converting unique values into columns or columns into rows.

## Objects and Arrays

Use these tools to manipulate your dataset based on columns of Object or Array type.

## Filter Rows

Remove or keep rows of data based on data type validation, conditionals, source row numbers, or other factors.

- See *Remove Data*.
- See *Deduplicate Data*.

## Functions

Generate a new column of data based on a specified function.

For a list of available functions, see *Language Index*.

## Conditions

Use if/then/else or case logic to apply conditionals to your dataset.

See *Apply Conditional Transformations*.

## Join

Join the current dataset with another dataset using a pair of matching keys.

See *Join Panel*.

## Union

Add the rows of data from one or more datasets to your current dataset.

See *Union Page*.

## Comment

Insert a comment in your recipe at the current step. Comments do not perform any modification to the data.


See *Add Comments to Your Recipe*.

## Target

Attach a target schema to the current recipe or remove it. If a target is attached, you can attempt to auto-match all source and target columns.

- For more information on these options, see *Column Browser Panel*.
- For more information, see *Overview of Target Matching*.

## Select

 **NOTE:** This menu is only available in the Column Browser.


Select all or no columns, or invert the currently selected columns. See *Column Browser Panel*.

## Find Column

Locate a column in your dataset by typing in the textbox. For more information, see *Data Grid Panel*.

## Filters

Filter the displayed rows and columns based on selection or condition.

 **NOTE:** Filtered data is hidden from display. It is not removed from the sample or the dataset during execution.

See *Filter Data*.