

# Transformation by Example Page

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In the Transform by Example page, you can build new columns of data by specifying values to map from the selected source column. For the column to transform, select **Create column by examples** from the column menu.

**NOTE:** Transformations by example are developed using the current sample. When the finished transformation is applied across the entire dataset, some source values may not be matched by the patterns you specified using the current sample.

**Tip:** Transformation by example works best for text-based inputs. For non-text inputs, you can convert the column data type to String.

To transform by example, you can use either of the following:

- **Grid View:** Displays Source and Preview column values as they appear in the sample in the data grid.
- **Pattern View:** Displays the Source and Preview values in groups of similar values based on pattern matching by Designer Cloud Powered by Trifacta® Enterprise Edition.

For more information on these types of transformations, see *Overview of TBE*.

## Transform Builder

In the Transform Builder panel on the right, you can review and change the Source and Preview columns to transform.

**Tip:** To transform from a different source column, select a new column from the Example column drop-down. This step clears all examples from the transformation you are building. Some columns may not be available for selection. To use such a column, change its type to String first.

## Grid View

In grid view, the Source values for each row in the sample are listed next to an empty Preview column. You can create mappings by selecting a cell in the Preview column and manually entering a value.

The screenshot shows a data transformation interface. On the left, a table with two columns: 'Source' and 'Preview'. The 'Source' column contains phone numbers like '510-221-2244'. The 'Preview' column contains the same numbers followed by a suffix, e.g., '510-221-2244\_clean'. A dialog box titled 'Create column from examples' is open on the right. It contains a grid for entering example values, a dropdown menu for 'Example column' (set to 'Phone Number'), and a text input for 'New column name' (set to 'Phone Number\_clean'). At the bottom of the dialog are 'Cancel' and 'Add to Recipe' buttons.

**Figure: Transformation by Example - Grid View**

After you enter a value, Designer Cloud Powered by Trifacta Enterprise Edition attempts to match other values from the Source using the same pattern to generate additional values in the Preview column.

- Values that you manually enter are listed in dark text.
- Values that are inferred by the product are in lighter text.
- Null values indicate that no pattern has been identified to match the value.

**Tip:** Values that have been inferred can be replaced by manual entries for further refinement.

For more information on how to use, see *Create Column by Example*.

### Keyboard shortcuts

- Use the arrow keys to navigate up and down the rows in the Preview column.
- CTRL + up arrow or CTRL + down arrow to jump to the first or last row of the sample
  - In Pattern View, the above shortcuts navigate between groups of values.
- ESC cancels your current edit.
- RETURN submits your current entry as a new example.

**Tip:** You can copy and paste values from the clipboard into the Preview column.

### Pattern View

In Pattern view, Designer Cloud Powered by Trifacta Enterprise Edition performs some preliminary pattern detection to group Source values together. Transformations are processed using Trifacta patterns.

DATASETS - TBE FLOW >  
 Datasets - TBE  
 Full Data

Run Job

Source	Preview
Phone Number	Phone Number_clean
<b>Pattern 1</b> 1 of 1 unique value	
5104289900	510-428-9900
<b>Pattern 2</b> 5 of 25 unique values	
(510) 434 4404	510-434-4404
(510) 434 4405	510-434-4405
(510) 434 4406	510-434-4406
(510) 434 4407	510-434-4407
(510) 434 4408	510-434-4408
<b>Pattern 3</b> 5 of 23 unique values	
1-510-122-3300	510-122-3300
1-510-122-3301	510-122-3301
1-510-122-3302	510-122-3302
1-510-122-3303	510-122-3303
1-510-122-3304	510-122-3304
<b>Pattern 4</b> 5 of 11 unique values	
510-221-2244	510-221-2244
510-221-2245	510-221-2245
510-221-2246	510-221-2246
510-221-2247	510-221-2247
510-221-2248	510-221-2248

195 rows 60 unique source values

**Create column from examples**

Create a new column by providing example values in the grid.

Example column required

Phone Number

New column name

Phone Number\_clean

Cancel Add to Recipe

**Figure: Transformation by Example - Pattern View**

- This view displays a maximum of five example values per pattern group.
- **Other group:** Values that do not map to any identifiable pattern are placed in a value group labeled, *Other*.
- For more information on patterns, see *Text Matching*.

**Toolbar**



**Figure: Transformation by Example toolbar**

- **Grid View:** See previous.
- **Pattern View:** See previous.
- **Undo:** Undo the last change you made to the Preview values.
- **Redo:** Redo the most recently undo change you made to the Preview values.
- **Trash:** Remove all example values from the Preview column and start over.