

# Reshaping Steps

Recipe steps that change the number of rows in the dataset have additional impacts on your dataset and its samples. These **reshaping steps** include the following transforms:

Transform	Documentation
splitrows	<i>Splitrows Transform</i>
flatten	<i>Flatten Transform</i>
keep	<i>Keep Transform</i>
delete	<i>Delete Transform</i>
pivot	<i>Pivot Transform</i>
unpivot	<i>Unpivot Transform</i>
join	<i>Join Page</i>
union	<i>Union Page</i>
lookup	<i>Lookup Wizard</i>
deduplicate	<i>Deduplicate Transform</i>

## Samples:

When one of these transforms is applied and rows are removed from your dataset:

- Any samples generated before the step was added are invalidated and cannot be used.
- If you edit steps in your recipe before this added transform, any samples that you generated after the transform step are invalidated and cannot be used.
- A valid head sample is always available for use.

For more information, see *Samples Panel*.