

Data Cleansing Tool

As you explore Alteryx during your trial, the **Data Cleansing Tool** can help you experience the speed and simplicity of automated data preparation. By learning how to quickly fix common data issues like nulls, extra spaces, and inconsistent formatting, you'll see how easy it is to prepare clean, reliable data for analysis, in just a few clicks.

Core Capabilities:

Use the Data Cleansing tool to fix common data quality issues, including nulls and unwanted characters. You can replace null values, remove punctuation, modify capitalization, and more.

Tool Components:

Input anchor: Connect the data you want to cleanse.

Output anchor: Get the cleansed data out for downstream analysis.

Configure the Tool:

Use the **Options** tab to determine how data quality issues are managed.

Replace Nulls

- **Replace with blanks (string fields):** Replace null values with a blank string value. A blank registers as " " rather than [Null]. This option is selected by default.
- **Replace with 0 (Numeric Fields):** Replace null values with a 0 (zero). This option is selected by default.

Why it Matters:

Spend less time on tedious cleanup and more time on insights.

- Standardize data quality as part of your workflow, reducing errors downstream.
- Make your analytics, reporting, and AI models more reliable by starting with clean data.



Remove Unwanted Characters

- **Leading and Trailing Whitespace:** Remove leading and trailing whitespace. This option is selected by default.
- **Tabs, Line Breaks, and Duplicate Whitespace:** Replace any occurrence of whitespace with a single space, including line endings, tabs, multiple spaces, and other consecutive whitespaces.
- **All Whitespace:** Remove any occurrence of whitespace.
- **Letters:** Remove all letters, including non-Latin alphabet letters like **A b Z À é ö**.
- **Numbers:** Remove all numbers.
- **Punctuation:** Remove these characters: **! " # \$ % & ' () * + , \ - . / : ; < = > ? @ [/] ^ _ ` { | } ~**

Modify Case

Select Modify Case and then choose an option from the dropdown to change the capitalization of string data types:

- **Upper Case:** Capitalize all letters in a string.
- **Lower Case:** Convert all letters in a string to lowercase.
- **Title Case:** Capitalize the 1st letter of all words in a string.

Known Limitations:

The Data Cleansing tool is not dynamic. If used in a dynamic setting (for example a macro intended to work with newly generated field names), the tool will not interact with the fields even if all options are selected. Consider replacing the Data Cleansing tool with a Multi-Field Formula tool in such cases.

Next Steps:

Explore how you can apply the Data Cleansing Tool in your own workflows during your trial period. Already using the tool? Share your results and reach out for best practices to get the most from your license.

