


## What's new in version 2023?

 Note: Information about what's new in previous InfoZoom Desktop versions can be found at "[https://www.infozoom.com/service/technische\\_unterlagen](https://www.infozoom.com/service/technische_unterlagen)".

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### Reading in data

Importing data from text files	<p>Changed functionality: adopting metacharacters</p> <p>The three metacharacters "&gt;[]" in attribute names are now only interpreted anymore when files are imported in InfoZoom text format (.foc). When files are imported in standard text format (.txt), the meta characters are adopted just as they are in the file.</p>
Database wizard: Adding the database system or MS Access file as a data source	<p>Expanded functionality: Change data type to 'Text' also for binary data</p> <p>The "Change Data Type to 'Text'" function can now also be used for table columns with binary data in order for their data to be imported as text. The <b>prerequisite</b> for this is that the respective contents can be converted into text.</p> <p>Topic: Adding the database system or MS Access file as a data source</p>
Database wizard: Compiling data	<p>Expanded functionality: Filter function also for preview</p> <p>The filter function for tables and views is now also available in the preview of the data to be adopted.</p> <p>Topic: Compiling data</p>
Database wizard: Importing data	<p>Expanded functionality: Alias also for data sources</p> <p>To better retrace the source of imported attributes you can now use an alias for the data sources. To this end, the function of the "Use table aliases" check box has been extended in the "Select data sources" window. The check box has been renamed "Use source and table aliases". The "Use table aliases" check box has been added to the SQL options.</p>

	Topic: Using source and table aliases
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## Searching for data

Find and replace	<p>New functionality: Remove source and table aliases</p> <p>In tables, the attribute names may have prefixes that represent the numbers of the data sources and source tables (table and source aliases). You can now remove these numbers if required. For this purpose, the "Remove source and table aliases" menu item has been added to the search menu.</p> <p>Topic: Using the search function to remove table aliases</p>
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## Analyzing data

Preparing data for analysis	<p>New functionality: Functions for data preparation</p> <p>Various functions for preparing data for the analysis have been combined to form the new "DQ checks" menu (data quality checks). For instance, the menu contains functions for quickly finding duplicates in the data.</p> <p>Topic: Functions for data preparation</p>
Derived attributes	<p>New functionality: Selecting attributes for a derived attribute</p> <p>For a derived attribute, you can now determine and select the attributes on which it depends. For this purpose, the "Select referenced attributes" menu item has been added to the context menu of the attribute column. Alternatively, you can use the "Select referenced attributes" button in the dialog for redefining the attribute.</p> <p>Topic: Derived attributes</p>
Lists	<p>New functionality: Splitting lists</p> <p>A list (list attribute) can now be split into its individual list elements. The list elements are inserted as simple attributes in a new attribute group of the table. The attribute values can be displayed in various ways. For this purpose, the menu items "Split list (yes/no)" and "Split list (value/empty)" have been added to the "Analysis" tab, "Insert" group, "Group" menu.</p> <p>Topic: Splitting lists</p>
Metadata	<p>New attributes:</p> <ul style="list-style-type: none"> <li>• Automatic recalculation (setting for the table)</li> <li>• UUID (unique identifier for attribute name)</li> <li>• Options (options for derived attributes)</li> <li>• Recalculation (calculation mode for derived attributes)</li> <li>• Color (background colors of the attributes)</li> </ul>

	<ul style="list-style-type: none"> <li>• Contained in group (with UUID) (name and universally unique identifier of the attribute group or analysis group)</li> <li>• Derived from (with UUID) (names and universally unique identifiers of the attributes whose values serve as the basis for calculation)</li> <li>• Derived from this attribute (with UUID) (names and universally unique identifiers of the attributes for whose calculation the value of the attribute is used as the calculation basis)</li> </ul> <p>Topic: Metadata</p>
	<p>Changed functionality: KPIs for analysis groups</p> <p>The reference of KPIs has been generally changed. Previously, the KPIs of an analysis group depended on the various dimensions of the analysis group. Now the KPIs depend on the analysis group itself.</p>

## Command line parameter

Working with the data	New command line parameter "-normlist" for normalizing lists
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## Sample tables

FormulaOneSample.fox	The delivery of InfoZoom Desktop includes the "FormulaOneSample.fox" sample table ("Other/Formula One" folder). Data on the Formula 1 season 2022 have been added to the sample table.
ErsteBundesliga.fox	The delivery of InfoZoom Desktop includes the "ErsteBundesliga.fox" sample table ("Other/Formula One" folder). Data about the German Bundesliga season 2021/22 have been added to the sample table.

## Optimizations

Easier handling	<p>You can now change the size of the dialog for defining or redefining attributes by dragging the bottom right corner.</p> <p>Topic: Defining and redefining attributes</p>
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