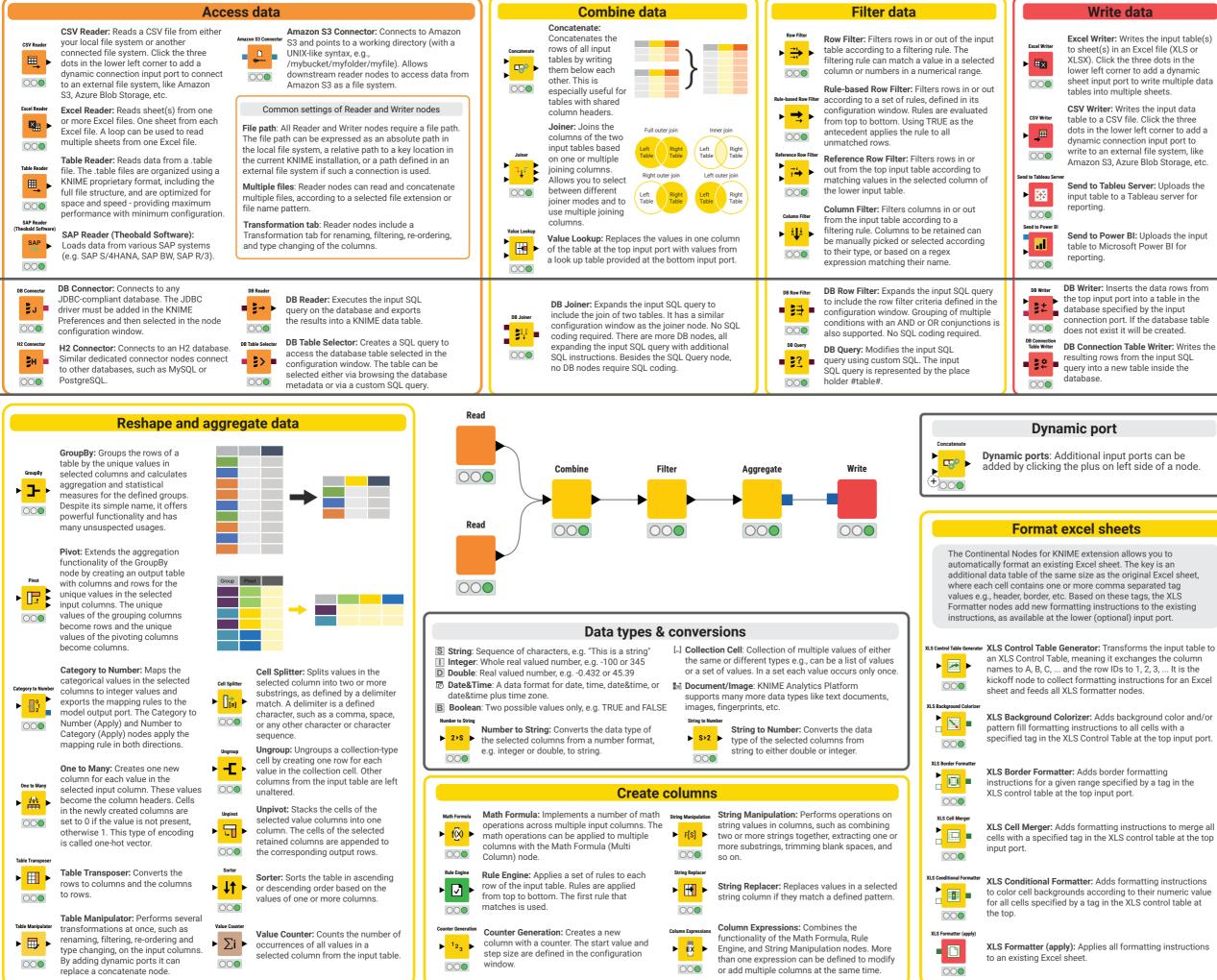
Databases





### Write data

Excel Writer: Writes the input table(s) to sheet(s) in an Excel file (XLS or XLSX). Click the three dots in the lower left corner to add a dynamic sheet input port to write multiple data tables into multiple sheets.

CSV Writer: Writes the input data table to a CSV file. Click the three dots in the lower left corner to add a dynamic connection input port to write to an external file system, like Amazon S3. Azure Blob Storage, etc.

Send to Tableu Server: Uploads the input table to a Tableau server for

Send to Power BI: Uploads the input table to Microsoft Power BI for

DB Writer: Inserts the data rows from the top input port into a table in the database specified by the input connection port. If the database table does not exist it will be created.

DB Connection Table Writer: Writes the resulting rows from the input SOL query into a new table inside the

## Date&time

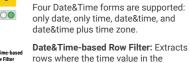
String to Date&Time: Parses the

according to a date/time format and

converts them into Date&Time cells.

strings in the selected columns









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difference between two date&time objects e.g., from two selected columns, from a selected column and a fixed value. from a selected column and the current execution time. or from one cell and the cell in the previous row for a selected column

selected column lies within a given time

window. The time window is specified

either by a start and /or an end date or

Date&Time Difference: Calculates the

by a start date and a duration.

Extract Date&Time Fields: Extracts selected time and date fields from a selected column of type date&time and appends their values in new columns.

### Clean data



Missing Value: Defines and applies a strategy to replace missing values in the input table - either globally on all columns, or individually for each single column.

Duplicate Row Filter: Detects duplicate rows and applies the selected operation, e.g. removes duplicate rows. Duplicates are rows that have the same value in all selected columns.



Numeric Outliers: Detects and treats numerical outliers for each of the selected columns individually using the interquartile range (IQR).

### Resources

· KNIME Press: Access various data science books and other cheat sheets at knime.com/knimepress, including beginner and advanced topics.

· KNIME blog: Engaging topics, challenges, industry news, & knowledge nuggets at knime.com/blog

· Self-paced courses: Take our free online self-paced courses to learn about data analysis, data engineering, or data science with KNIME (with hands-on exercises) at knime.com/learning

· KNIME Community Hub: Browse and share workflows, nodes, and components or access collection pages for dedicated topics at hub.knime.com.

· KNIME Forum: Join our global community & engage in conversations at forum.knime.com

· KNIME Business Hub: For team-based collaboration, automation, management, & deployment check out KNIME Business Hub at knime.com/knime-business-hub

# **KNIME Press**

Extend your KNIME knowledge with our collection of books from KNIME Press. For beginner and advanced users, through to those interested in specialty topics such as topic detection, data blending, and classic solutions to common use cases using KNIME Analytics Platform - there's something for everyone. Available for download at www.knime.com/knimepress.

