



Google Sheets Reader: Reads data from a Google Sheets spreadsheet

Azure Data Lake Storage Gen2

Connector: Connects to Azure Data

Lake Storage Gen2 (ADLS Gen2) and

allows downstream nodes to access

the ADLS Gen2 data to read or write

files and folders or to perform other

Google Cloud Storage Connector:

and allows downstream nodes to

access the Google Cloud Storage

data of a project to read or write files

and folders or to perform other file

Google Drive Connector: Connects

downstream nodes to access the

or to perform other file system

files in Google Drive to read or write

to Google Drive and allows

Connects to Google Cloud Storage

file system operations

system operations.

operations.

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PDF Parser: Parses textual content and metadata from PDF files and creates a document for each file

Tika Parser: Parses textual content and metadata and extracts embedded files and attachments from more than 280 file formats. Also provides an authentication option for encrypted files.

SAP 000

various SAP systems (e.g., SAP S/4HANA, SAP BW, SAP R/3) via the Theobald Xtract Universal Server

wide range of SAP sources including ^ SAP Tables SAP Transactions (T-Codes) and Reports, SAP Spool, etc. 000 It also accepts dynamic input filters.

Salesforce Simple Query: Reads fields from a Salesforce object into a KNIME table. It allows selecting the object type (i.e., a table in Salesforce such as Account) and the corresponding object fields (i.e., a column such as Account Name)

> Google Sheets Connector: Connects to Google Sheets. Depending on the authentication method the sheet should be either opened with a Google account or shared with a service account

000 000 000 000 000 000 000 Sharepoint Online Connector Connects to a SharePoint Online site Google Analytics Connector and allows downstream nodes to Connects to Google Analytics API. access the document libraries to read or write files and folders or to perform other file system operations. The GET Request: Issues HTTP GET connection is closed when the node requests to retrieve data from a web is reset, or the workflow is closed. service without sending any data other

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than (optional) request parameters. 000 POST Reques POST Request: Issues HTTP POST requests to send data to a web service and possibly receive data

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WIDGETS



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Nominal Row Filter Widget

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String Widget: Creates a text field input that outputs a String flow variable with a given value. Equivalent nodes exist for the creation of Integer, Double, Boolean, or

Single Selection Widget: Allows selecting a single value from a set of values and outputs a String flow variable with the selected value. The set of possible values is available in the shape of menu, list, or radio buttons. Use the Multiple Selection Widget node for selecting multiple values.

Nominal Row Filter Widget: Creates a value filter widget that allows to interactively filter a data table in an Interactive View. The node takes a data table as input and outputs the

filtered data table

the selected column(s).

Column Selection Widget: Creates a column selection widget that allows to interactively filter a data table in an Interactive View. The node outputs a String flow variable with the name of

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Column Filter Widget: Creates a column filter widget that allows to interactively filter a data table in an Interactive View. Similar to the Nominal Row Filter Widget node, this node takes the data table as input and ouputs the filtered data table.

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File Upload Widget: Creates a file upload item from which it is possible to navigate, select, and upload files. At the output port, it produces the file path as a variable

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File Download Widget: Provides a link with a downloadable file. The user needs to select a String or Path flow variable pointing to an existing file. This node is typically connected to a file writer (e.g. CSV Writer node), whereby the writer exposes its destination file as variable that is selected in this node's configuration dialog.

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Date&Time Widget: Creates a calendar input item for date selection. It outputs a string flow variable with the selected value

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Bar Chart: Generates graphical representations of categorical data using rectangular bars, providing insights into category frequency or

DATA VISUALIZATION

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Pie Chart: Visualizes categorical data using circular charts with slices representing categories and sizes indicating proportions

Histogram: Displays the frequency distribution of a numeric variable, identifying patterns and anomalies.

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Scatter Plot: Visualizes relationships between two numeric variables through points on a plane, identifying correlations, clusters, and patterns

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Sunburt Chart: Creates hierarchical visualizations representing the structure and composition of categorical or hierarchical data.

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dar Plot Appender Radar Plot Appender: Appends radar plot attributes to data based on user-defined rules or mappings. Enables multivariate visualization and comparison.

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Line Plot: Creates line charts to visualize trends, patterns, or correlations between two numeric variables

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Stacked Area Chart: Displays cumulative contributions of categories or variables, illustrating trends and relative proportions.

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Statistics: Calculates descriptive statistics for selected numeric columns, aiding in data exploration and analysis.

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Box Plot: Displays the distribution of a numeric variable with quartiles, median, and outliers. Useful for comparing distributions and identifying outliers.

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Text View: Displays text output provided by a user. Useful to create text or number infographics in Interactive Views or Data Apps

Tile View (Java Script): Displays tabular data in a grid layout, allowing for easy comparison and exploration of multiple data elements.

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Table View: Allows viewing and inspecting data in a tabular format, facilitating exploration, sorting, and filtering

Report PDF Writer: Writes a given report to a PDF file at the specified

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layout and orientation. The template can then be passed to a component

DATA ACCESS

Dedicated connector nodes to connect to specific SQL, noSQL, or big data platforms, as well as to connect to data warehouses on the cloud. Only limited number of settings are required, e.g., hostname and credentials, and the necessary JDBC driver is already included. The general DB Connector node can connect to any JDBC source, but it requires you to upload an appropriate drive and provide the JDBC URL.

File Syster Connector Вм Вн **3**0 S P P S 0. <u></u> 000 000 000

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Amazon S3 Connector: Connects to Amazon S3 and points to a working directory (with a UNIX-like syntax, e.g., /mybucket/myfolder/myfile). Allows downstream

Azure Blob Storage Connector: Connects to Azure Blob Storage to access the Azure Blob Storage data as a file system.

reader nodes to access data from

Amazon S3 as a file system.

Box Connector: Connects to Box and allows downstream nodes to access files to read or write or to perform other file system

operations.

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SAP Reader (Theobald Software): Accesses and loads data from KCS SAP Executor KCS SAP Executor: Connects to a

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

Resources

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

· 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

• 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.

Internal Rate of Return (IRR):

Calculates the Internal Rate of Return

tools. IRR tracks the profitability of

periodic transactions/cash flows.

(IRR) just like in common spreadsheet

one or more investment projects with

TRANSFORMATION



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GroupBy: Groups the rows of a table by the unique values in selected columns and calculates aggregation and statistical measures for the defined groups. It offers powerful. functionality and has many unsuspected usages, for example, row deduplication

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Pivot: Extends the aggregation functionality of the GroupBy node by creating an output data table with columns and rows for the unique values in selected input columns. The unique values of the grouping column become rows and the unique values of the pivoting column become

Joiner: Joins rows from two data



with missing values.

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value in a selected column or numbers in a numerical range

▶ TÎŦ Þ 000 expression matching their name.

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operations on String values in columns, such as combining two or more Strings together, extracting one or more substrings, trimming blank spaces, and so on. All operators are also available in the Column Expressions node.

in the Column Expressions node.

Cell Splitter: Splits values in a selected column into two or more substrings, as defined by a delimiter match. Delimiter is a set character, such as a comma, space, or any other 000 character or character sequence.

Column Renamer: Assigns new names and types to selected columns as configured in the dialog. 000

Constant Value Column: Adds/replaces a column containing a single

constant value in each row. String to Date&Time: Converts values in a String column into

Date&Time Shift: Shifts a selected date or time with a defined duration or granularity. The shift value can either be a duration column or a numerical column. A positive shift value is added to the selected

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▶ ↓↑ 000 on multiple columns.

model

Missing Values: Defines a strategy to 000 single column.

Date&Time Difference: Calculates

the 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

Partitioning: Splits data into two subsets according to a sampling strategy. This node is generally used to produce a training and a test set to train and evaluate a machine learning 000

Sorter: Sorts the table in ascending or descending order based on the values of a chosen column. In addition it is possible to sort based

deal with missing values in the input data table - either globally on all columns, or individually for each

VERIFIED COMPONENTS BY MYDRAL



Net Present Value (NPV): Computes the Net Present Value (NPV) just like in common spreadsheet tools. NPV tracks the total value of one or more nvestment projects with periodic transactions/cash flows.

Extended Net Present Value (XNPV): Computes the Extended Net Present Value (XNPV) just like in common spreadsheet tools. XNPV tracks the total value of one or more investment projects with non-periodic transactions/cash flows

Check out the KNIME for Finance space on the KNIME Community Hub containing template solutions for: 回數學数個

 Accounting A tihuΔ • Compliance

· KDI

FP&A Financial Services Tax

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(MIRR): Computes the Modified Internal Rate of Return (MIRR) just like in common spreadsheet tools, MIRR analyzes the attractiveness of one or more investment projects with periodic transactions/cash flows and

Extended Internal Rate of Return (XIRR): Computes the Extended

000 transactions/cash flows.

investment projects with non-periodic

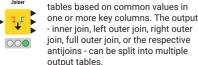
Modified Internal Rate of Return

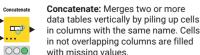
a reinvestment and finance rate

Internal Rate of Return (XIRR) just like in common spreadsheet tools. XIRR tracks the profitability of one or more

PDE. 000

> Report Template Creator: Defines the basic layout of a report such as page downstream, which will fill the report



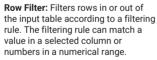






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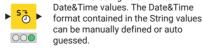


Column Filter: Filters columns in or out from the input data table according to a filtering rule. Columns to be retained can be manually picked or selected according to their type, or of a regex

Rule Engine: Applies a set of rules to each row of the input data table. All operators are also available in the Column Expressions node.

String Manipulation: Performs

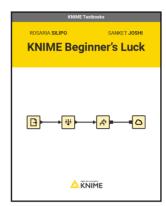
Math Formula: Implements a number of math operations across multiple input columns, from simple sum and average to logarithms and exponentials. All operators are also available

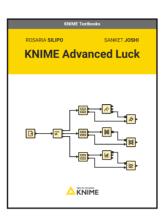


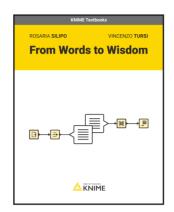
000 date/time, a negative value will be subtracted



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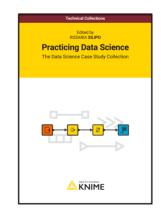


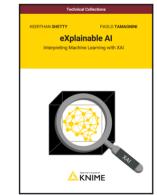




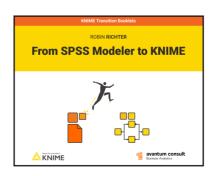


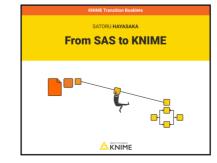


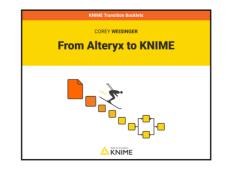












Need help? Contact us!

