

Open for Innovation

**KNIME**

# The Hitchhiker's Guide to KNIME Analytics Platform Version 5

April 18, 2023



# Who we are

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**Schalk**



**Lisa**

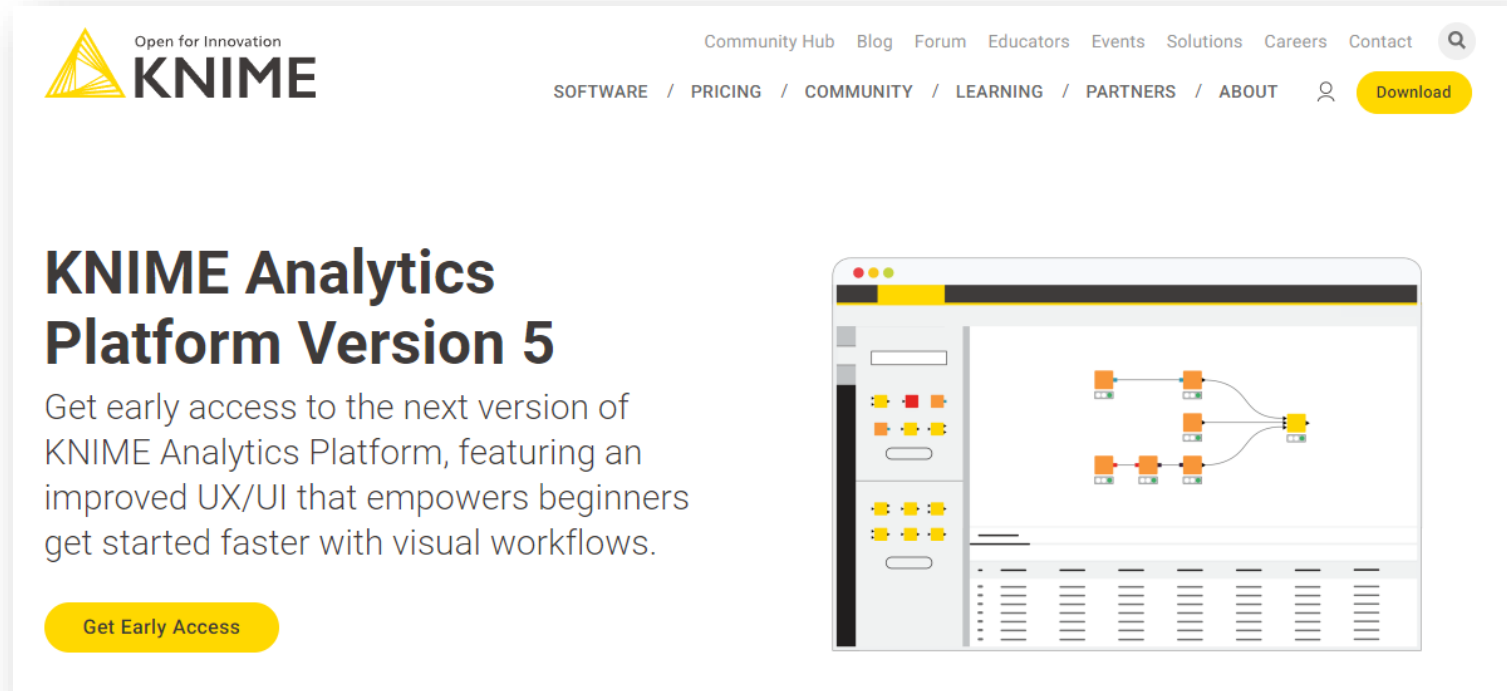


**Emilio**

# Workshop Expectations



# KNIME Analytics Platform Version 5 – Early Access



The screenshot shows the KNIME website's landing page for Version 5 Early Access. At the top left is the KNIME logo with the tagline "Open for Innovation". To the right is a navigation menu with links for "Community Hub", "Blog", "Forum", "Educators", "Events", "Solutions", "Careers", and "Contact", along with a search icon. Below the navigation is a secondary menu with links for "SOFTWARE", "PRICING", "COMMUNITY", "LEARNING", "PARTNERS", and "ABOUT", a user profile icon, and a prominent yellow "Download" button. The main content area features the heading "KNIME Analytics Platform Version 5" and a sub-headline "Get early access to the next version of KNIME Analytics Platform, featuring an improved UX/UI that empowers beginners get started faster with visual workflows." Below this is another yellow "Get Early Access" button. On the right side of the main content is a screenshot of the KNIME software interface, showing a visual workflow with several nodes connected by lines, and a table view at the bottom.

<https://www.knime.com/knime-analytics-platform-version-5>

# Easy Onboard with the Starter Perspective

The screenshot displays the KNIME Starter Perspective interface. The top bar shows the current workflow name "Combine Clean and Summarize...". Below the bar, there are navigation buttons: "Execute", "Cancel", "Reset", "Create metanode", and "Create component". The left sidebar contains a "Repository" section with a search bar and a grid of nodes categorized into "IO", "Manipulation", and "Views".

The main workspace shows a workflow with the following nodes and connections:

- Excel Reader** (top left): Read the first sheet ("Kitchen") of the rooms.xlsx file.
- Excel Reader** (middle left): Read the "Living Room" sheet of the rooms.xlsx file.
- Excel Reader** (bottom left): Read the "Dictionary" sheet of the rooms.xlsx file.
- Column Filter** (top middle): Exclude the comments from the "Living Room" sheet.
- Concatenate** (top center): Bring the items in the "Kitchen" and "Living Room" in one table.
- Column Merger** (middle right): Replace missing values in "DictVolume" column with available in the "empty\_c".
- Row Aggregator** (bottom right): 1st output port: Sum up volumes of the listed items. 2nd output port: Calculate the grand total volume of all items.
- Bar Chart** (top right): A Bar Chart with the counts of single items in the cargo.

The bottom of the interface shows a data table with 17 rows and 2 columns:

#	RowID	Item (string)	Amount (integer)
1	Row0	Table	1
2	Row1	Chair	2
3	Row2	Cupboard	1
4	Row3	Side table	1
5	Row4	Fridge	1
6	Row5	Freezer	1
7	Row6	Oven	1
8	Row7	Microwave	1
9	Row8	Carpet	1
10	Row9...	Couch	2

# Today's Toles

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**Schalk**  
**Beginner** and  
Spreadsheet user



**Lisa**  
**Expert** in KNIME  
Analytics Platform  
Version 5



**Emilio**  
**Experienced KNIME**  
user

# The Workbench

The screenshot displays the KNIME Workbench interface with a workflow titled "Combine Clean and Summarize...". The workflow consists of several nodes: three Excel Reader nodes, a Column Filter node, a Column Merger node, a Concatenate node, a Bar Chart node, and a Row Aggregator node. The workflow is designed to read data from multiple Excel files, clean it, merge columns, concatenate the results, and finally visualize the data as a bar chart and aggregate the results.

The workflow steps are as follows:

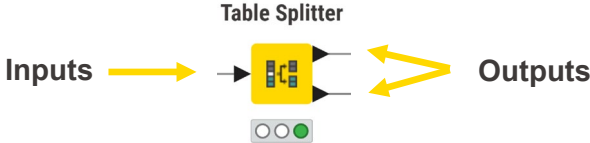
- Three Excel Reader nodes read data from "rooms.xlsx" (Kitchen, Living Room, and Dictionary sheets).
- A Column Filter node excludes comments from the Living Room sheet.
- A Column Merger node replaces missing values in the Dictionary column with empty strings.
- A Concatenate node combines the data from the three Excel readers.
- A Bar Chart node visualizes the concatenated data.
- A Row Aggregator node calculates the sum of volumes for each item and the grand total volume.

The output of the Row Aggregator node is shown in a table below:

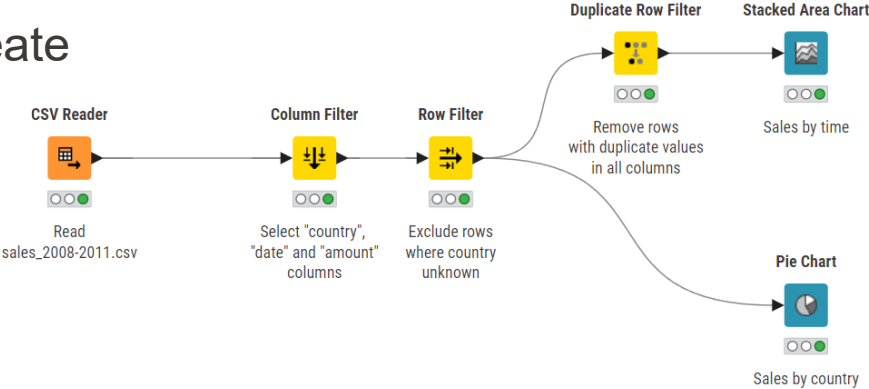
#	RowID	Item	Amount
1	Row0	Table	1
2	Row1	Chair	2
3	Row2	Cupboard	1
4	Row3	Side table	1
5	Row4	Fridge	1
6	Row5	Freezer	1
7	Row6	Oven	1
8	Row7	Microwave	1
9	Row8	Carpet	1
10	Row9...	Couch	2

# Visual KNIME Workflows

**NODES** perform tasks on data

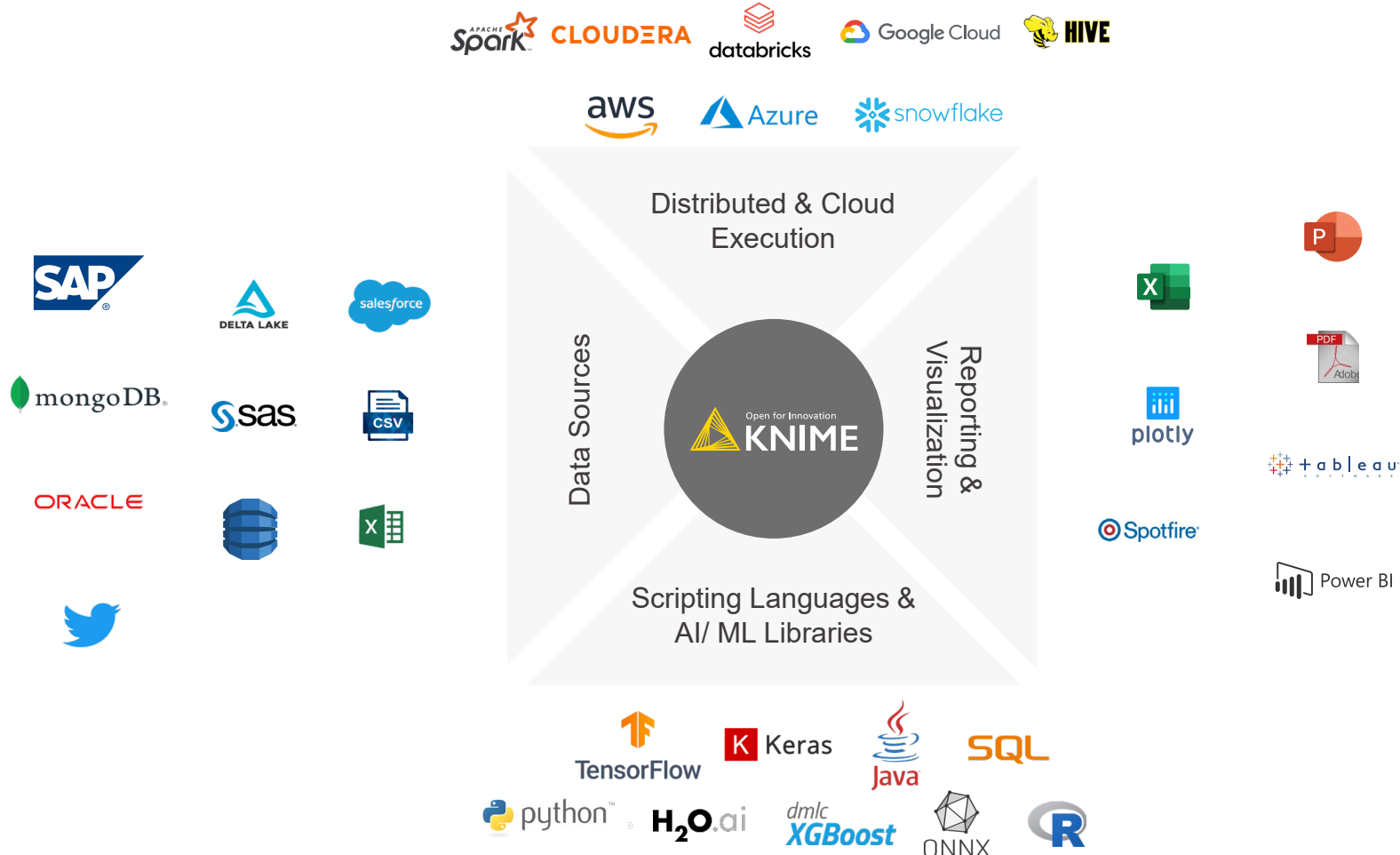


Nodes are combined to create **WORKFLOWS**





# KNIME Technology Ecosystem



# How Do You Get Started?

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## 1. Get Early Access

Download early access KNIME Analytics Platform Version 5 and kick start your journey towards data-driven insights.

[Download Now](#)

## 2. Read Getting Started Guide

Build your first workflow using this Getting Started Guide and take your first steps using KNIME Analytics Platform Version 5.

[Read Now](#)

## 3. Go Through Cheat Sheet

Use this cheat sheet to quickly understand the popular nodes included in this version and their purpose.

[Access Now](#)

## 4. Try Readymade Workflows

Browse workflow examples, node explanations and further resources for early access KNIME Analytics Platform Version 5.

[Browse Collection](#)