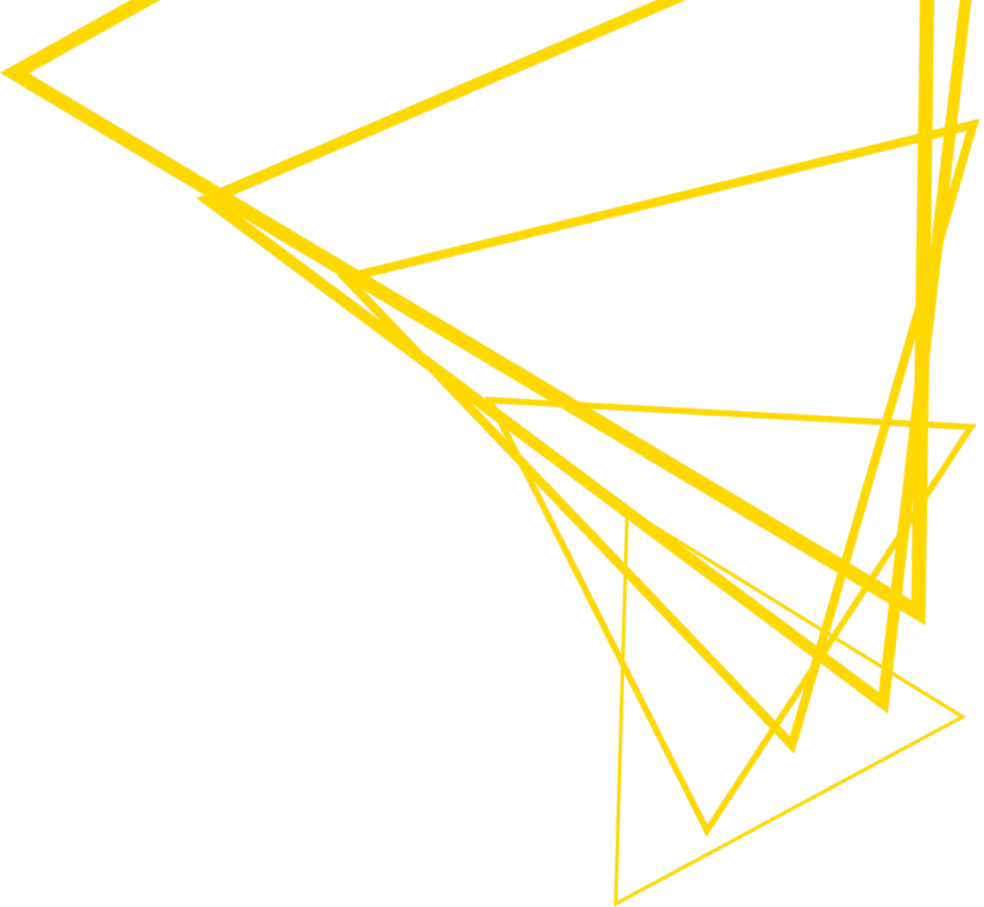




KNIME101: Building Workflows with K-AI

August 13, 2025

Speakers



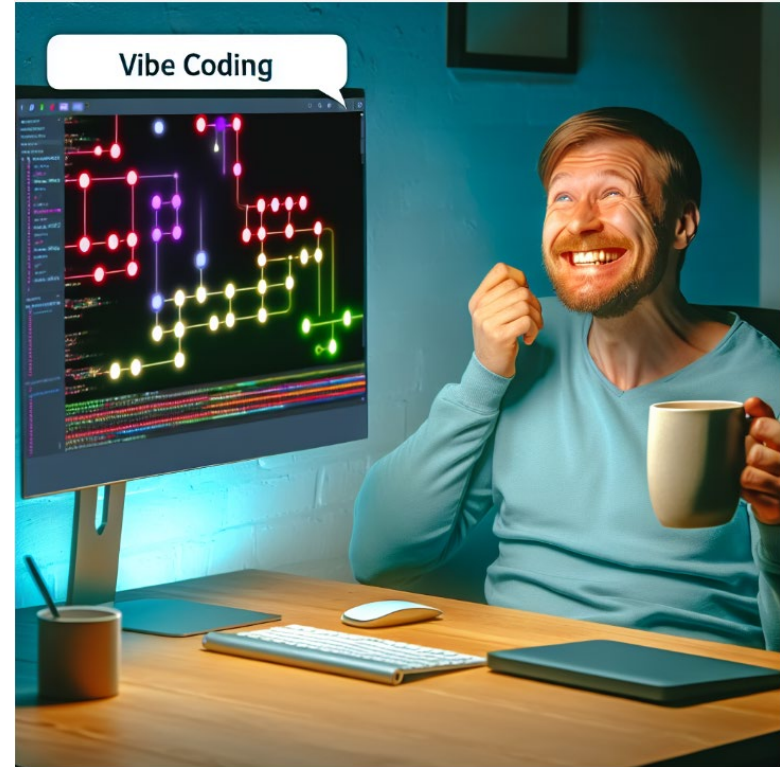
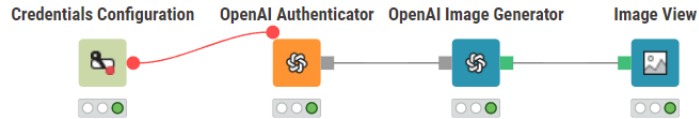
Scott Fincher
Senior Data Scientist, Community
Team, KNIME



Mae Lorenzo
Brand Marketing & Awareness Team
Lead, KNIME

Agenda

- Introduction - How can K-AI help you
- K-AI in the Analytics Platform
- Live Demo
- Wrap up



Abstract geometric lines in the top right corner, consisting of several overlapping triangles and polygons in a light yellow color.

How Can K-AI Help You?

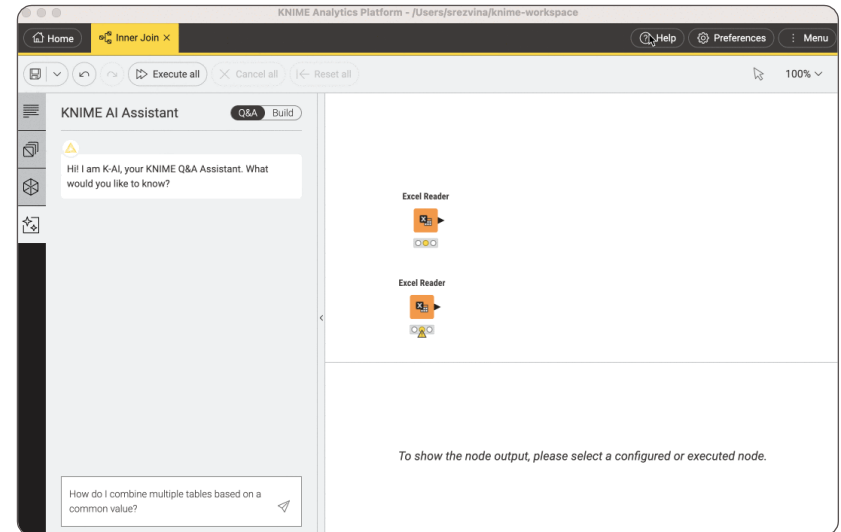
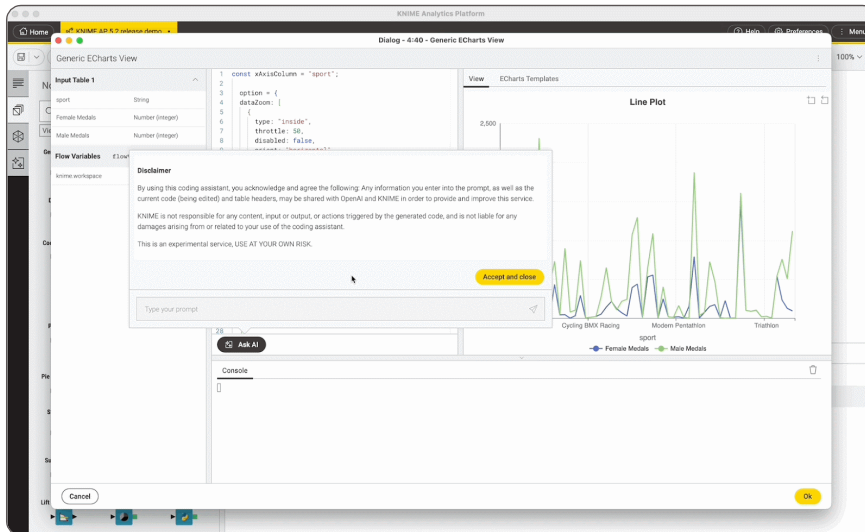
KNIME AI Extension

- Authenticators
- LLM Connectors
- Chat Model Co
- Embeddings C
- LLM and Em
- Local Conne
- Vector Store
- Agents



AI Assistance at Your Fingertips

- Helps orient you towards the right nodes, and can even build workflows!
- Helps write code (Python, Expressions, ...)
- Helps configure visualizations



Where Can I Find K-AI?

- Throughout the Analytics Platform!

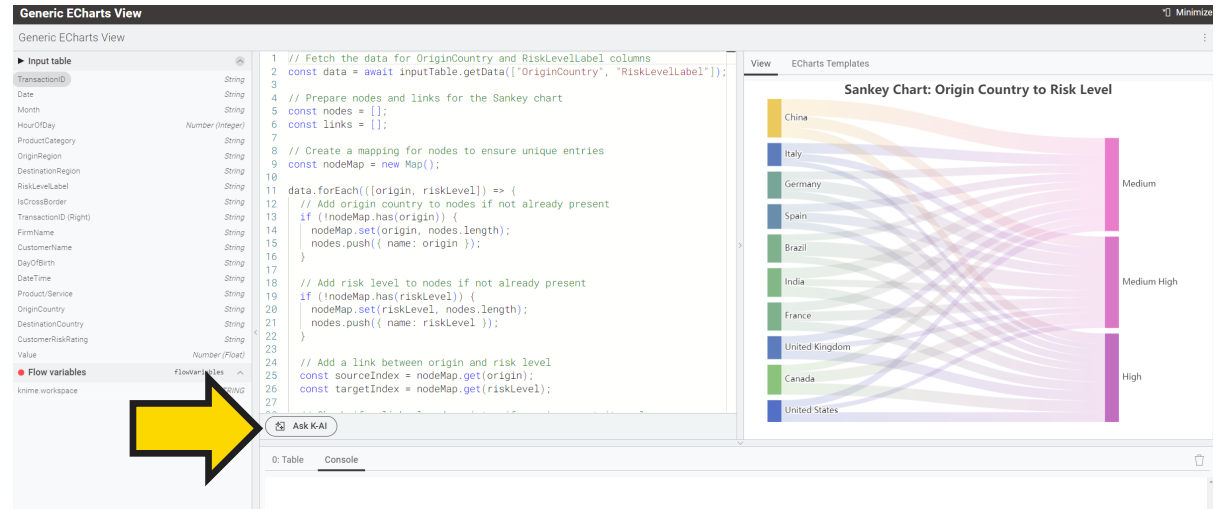
- In the main UI

- In nodes

- Expressions
 - Python Script
 - E-Charts

- Recent Updates

- RegEx
 - Flow Variables
 - Date&Time types



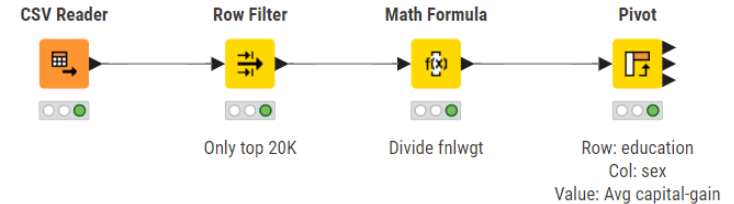
Lowering the Coding Barrier

Python

```
1 import knime.scrpting.io as knio
2 import pandas as pd
3
4 # Load the input table
5 df = knio.input_tables[0].to_pandas()
6
7 # Limit to the top 20000 rows
8 df = df.head(20000)
9
10 # Replace fnlwgt with fnlwgt divided by 100
11 df['fnlwgt'] = df['fnlwgt'] / 100
12
13 # Create a pivot table with education for rows, sex for columns, and average capital-gain as values
14 pivot_table = df.pivot_table(index="education", columns="sex", values="capital-gain", aggfunc="mean").reset_index()
15
16 # Output the resulting pivot table
17 knio.output_tables[0] = knio.Table.from_pandas(pivot_table)
```

Ask KAI

KNIME



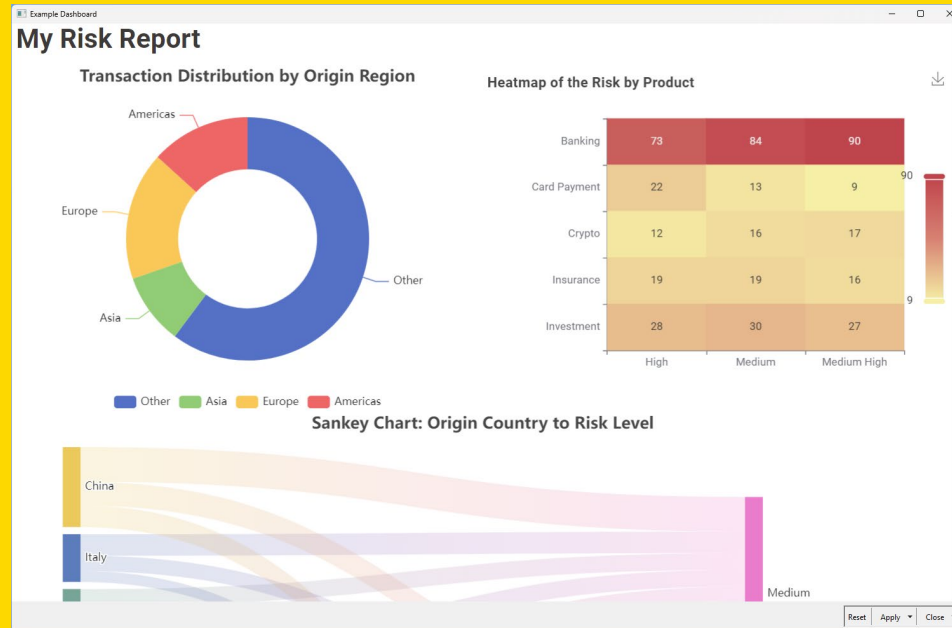
Rows: 16 Columns: 3						
Table Statistics						
☐	#	RowID	education String	Female Number (double)	Male Number (double)	☐
☐	1	Row0	10th	257.39	369.673	
☐	2	Row1	11th	106.056	320.378	
☐	3	Row2	12th	14.067	494.506	
☐	4	Row3	1st-4th	76.37	106.778	
☐	5	Row4	5th-6th	0	229.25	
☐	6	Row5	7th-8th	115.168	253.051	
☐	7	Row6	9th	133.935	195.051	
☐	8	Row7	Assoc-acdm	906.187	608.273	
☐	9	Row8	Assoc-voc	362.728	826.338	
☐	10	Row9	Bachelors	993.647	1,938.652	
☐	11	Row10	Doctorate	3,394.868	5,402.9	
☐	12	Row11	HS-grad	451.971	673.593	
☐	13	Row12	Masters	1,889.256	2,655.143	
☐	14	Row13	Preschool	644	2,295	
☐	15	Row14	Prof-school	4,090.44	12,050.16	
☐	16	Row15	Some-college	314.618	831.406	

Live Demos



KNIME Community Hub Link

[Using K-AI to Build A Dashboard](#)



Q&A



Wrap Up



Limitless Resources: Choose your Favorite Format

- Learning Center: <https://knime.com/learning>

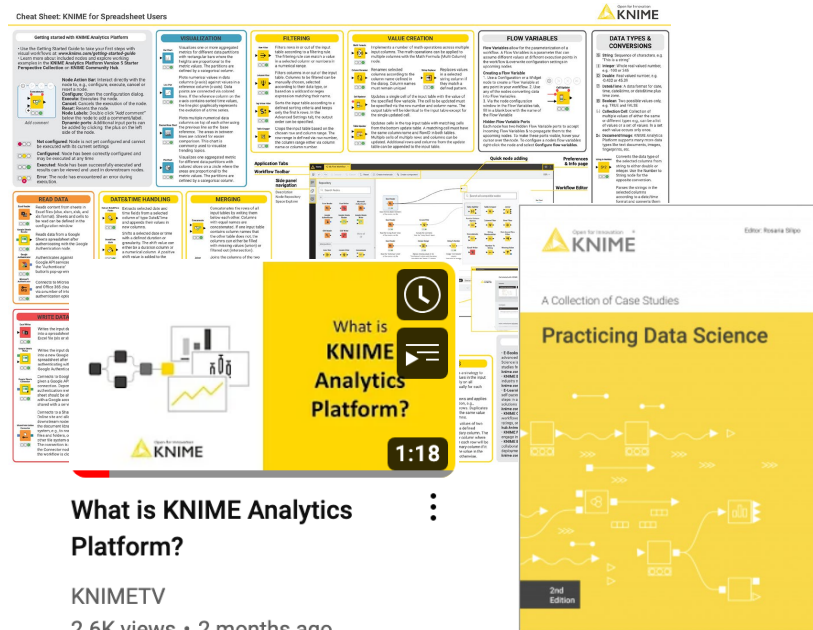
- Instructor-led Online Courses
- Self-paced Courses

- KNIME Forum: <https://forum.knime.com/>

- Videos – KNIME TV YouTube Channel: <https://youtube.com/user/KNIMETV>

- Cheat Sheets: <https://knime.com/cheat-sheets>

- KNIME Press: <https://knime.com/knimepress>



What is KNIME Analytics Platform?

KNIMETV

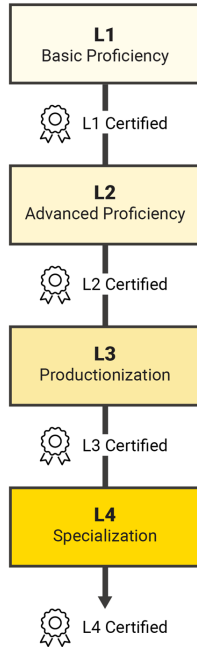
2.6K views • 2 months ago

CC

KNIME Certification Exams

Teaching & Certifying

KNIME Expertise from level **L1** to level **L4**

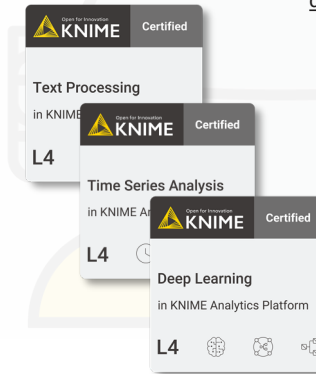
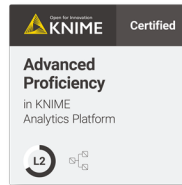
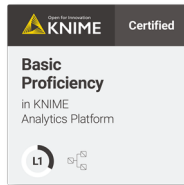


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3. Get your KNIME Badge and share it!



[knime.com/
certification-program](https://knime.com/certification-program)



Register for the next KNIME101 webinar



KNIME101: 10 Underrated Nodes that Will Make your Life Easier

September 10, 2025
8:00 AM (CDT) | 3:00 PM (CEST)

Let's stay in touch



Reception



Stage



Networking



Expo



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Thank you