Discover KNIME Analytics Platform 5.2: An Introductory Workshop

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Agenda

A Brief Introduction to KNIME
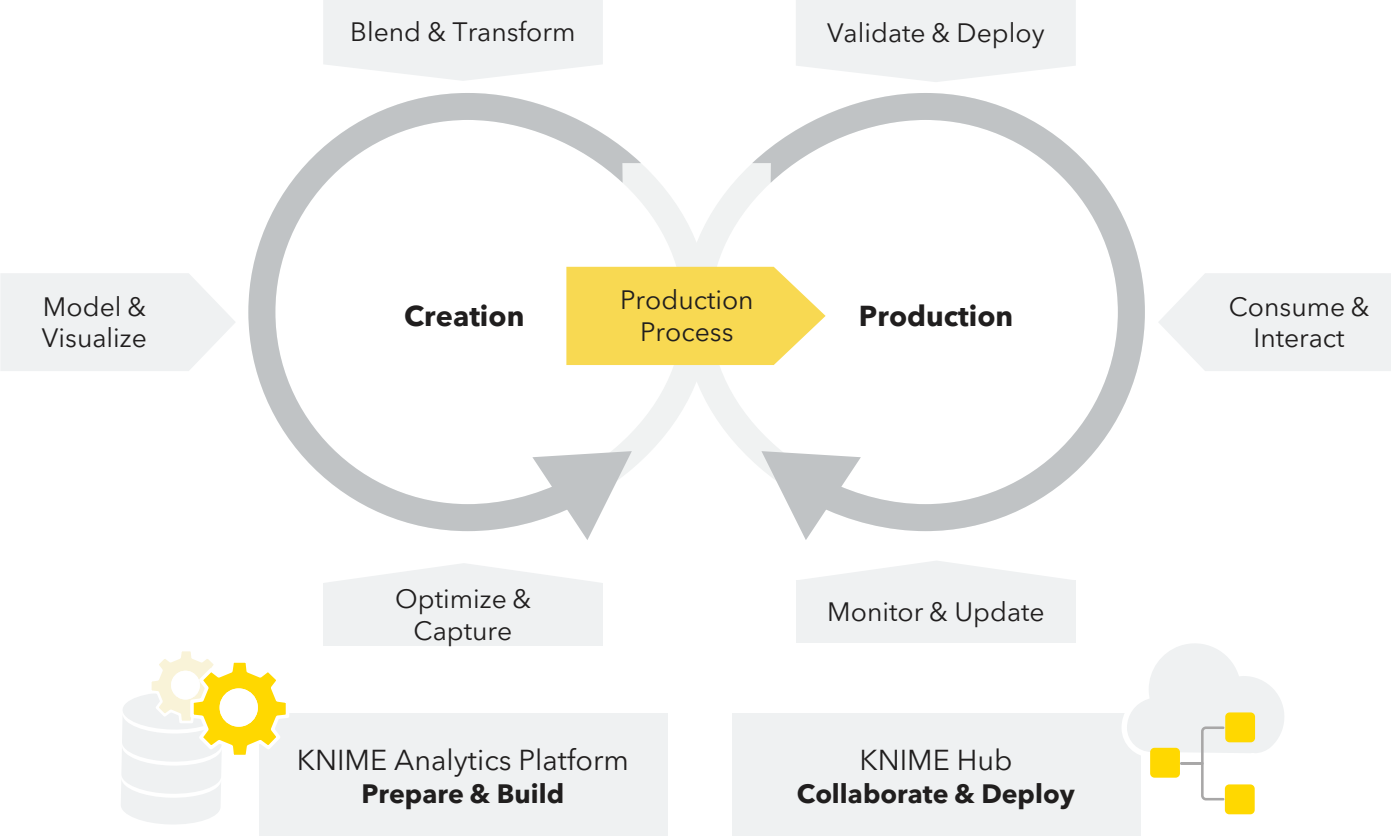
Demo: The KNIME Analytics Platform Workspace

Hands-on: Build Your First Workflow

Wrap-up

A Brief Introduction to KNIME

The Data Science Life Cycle – Creation & Production

Blend & Transform

Validate & Deploy

Model & Visualize

Creation

Production Process

Production

Consume & Interact

Optimize & Capture

Monitor & Update

KNIME Analytics Platform
Prepare & Build

KNIME Hub
Collaborate & Deploy
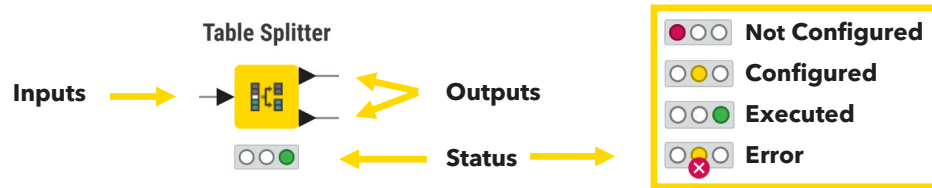
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Open for Innovation
KNIME

What is KNIME Analytics Platform

- A tool to make sense of your data
  - Data analysis, Data Science, Data Engineering
  - Transformation, visualization, reporting
- Open source
- Visual programming paradigm
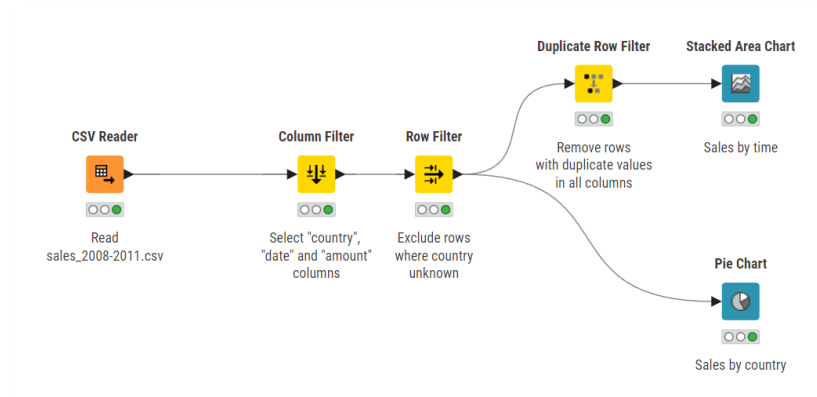 - No coding required
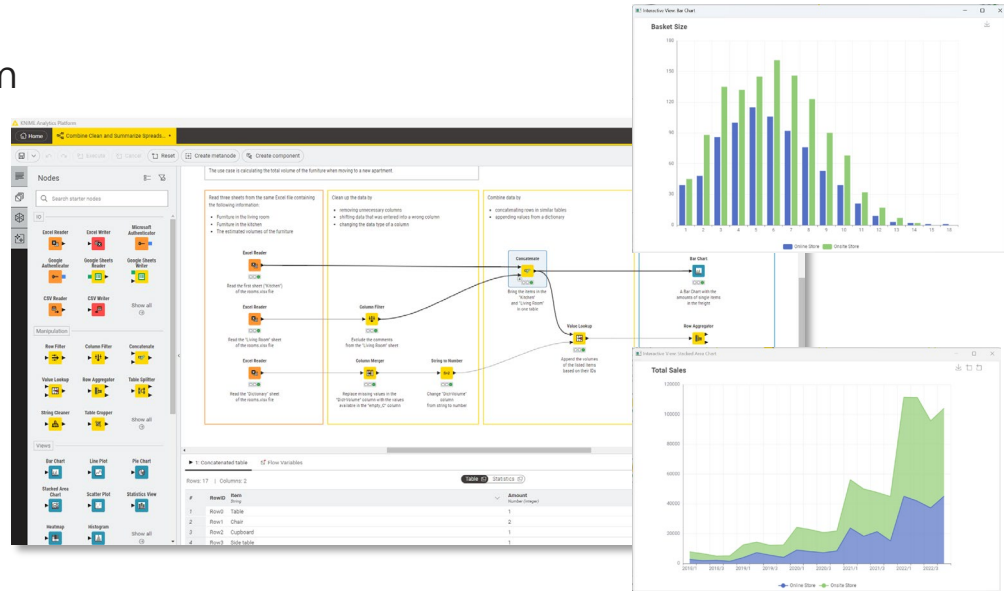
Nodes and Workflows

- **NODES** perform tasks on data

Table Splitter

Inputs → Outputs — Status

- ● ○ ○ ○ Not Configured
- ○ ● ○ ○ Configured
- ○ ○ ● ○ Executed
- ○ ○ ● Error

- Nodes are combined to create **WORKFLOWS**

Duplicate Row Filter — Stacked Area Chart

Sales by time

CSV Reader — Column Filter — Row Filter

Remove rows
with duplicate values
in all columns

Read
sales_2008-2011.csv

Select "country",
"date" and "amount"
columns

Exclude rows
where country
unknown

Pie Chart

Sales by country

Demo: KNIME Analytic Platform Workbench

Hands-on: Build Your First Workflow

Download the Demo Workflow
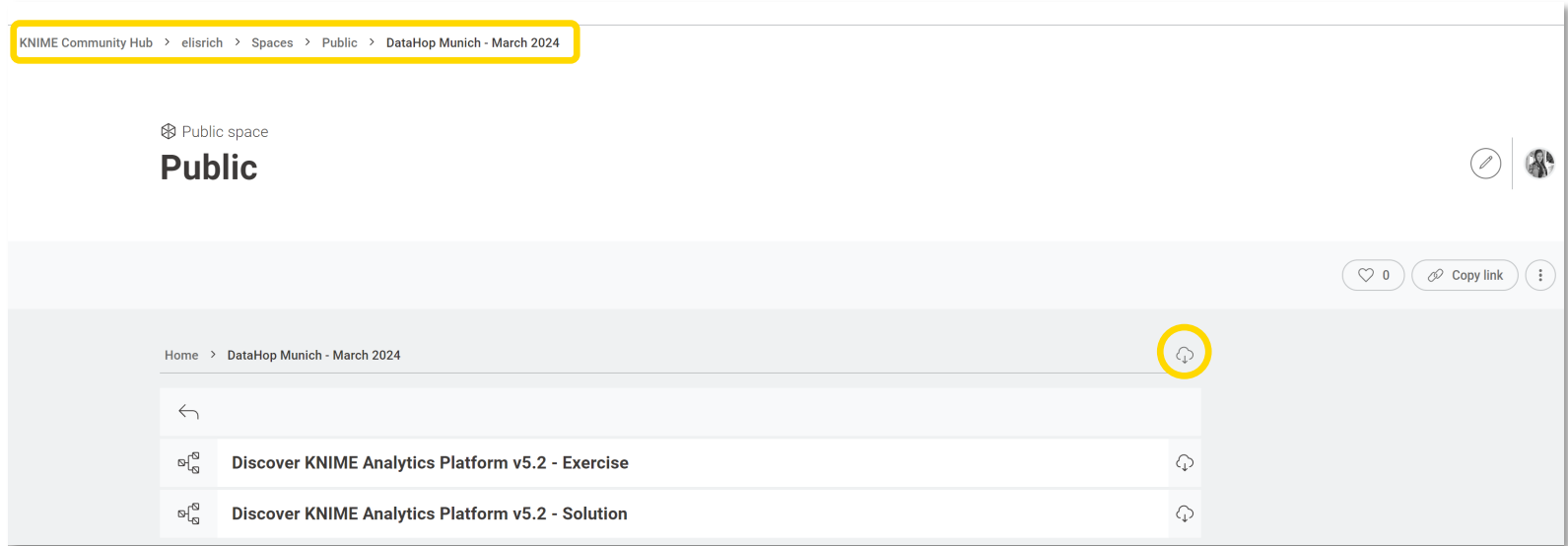
- Go to https://hub.knime.com/elisrich > *Public > DataHop Munich – March 2024*
  - Exercise: https://hub.knime.com/-/spaces/-/~-o2iaTWnaunLyUGI
  - Solution: https://hub.knime.com/-/spaces/-/~ypC_VpdENK8NC9gv

Wrap-up

KNIME Learning Paths

- Courses from level **L1** to level **L4**

- Various professional profiles

- **Self-paced courses**
  - Videos and exercises at your own pace and for free

- **Instructor led courses**
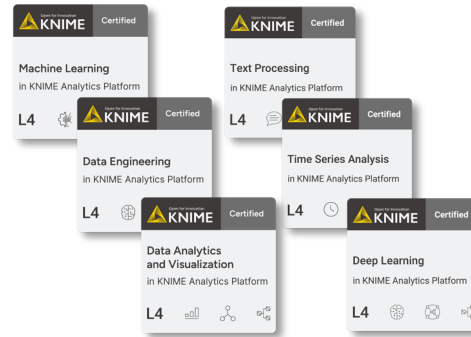 - Scheduled sessions and guided exercises in paid courses
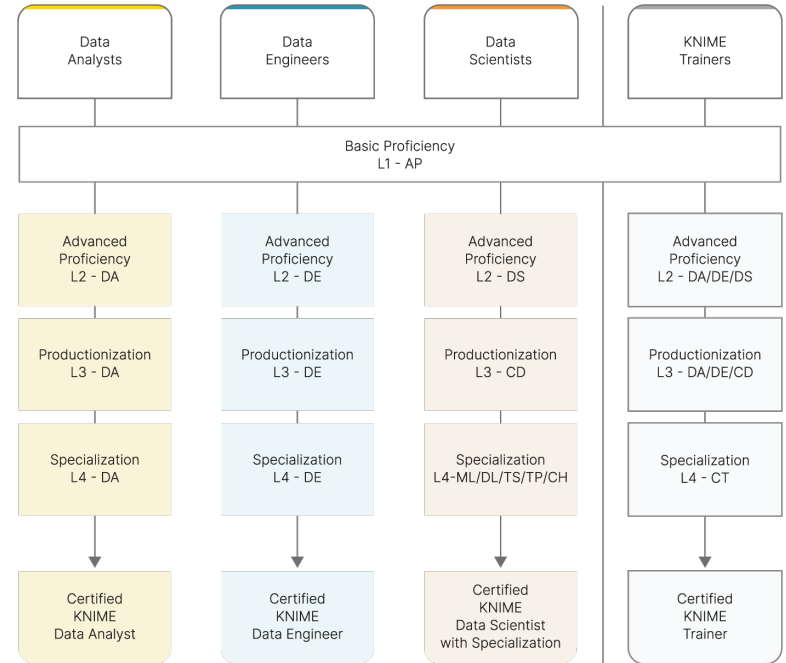
Find the **next course** at:
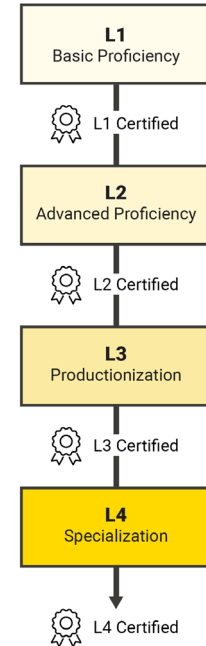
knime.com/learning

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KNIME Certification Exams

- From level **L1** to level **L4**
- Online examination
- Measure your expertise with KNIME software and data skills
- Get and share your badge!

Get **certified** at:

knime.com/certification-program

KNIME Press

- Many cheat sheets available for:
  - Beginners
  - Spreadsheet Users
  - Data Visualization
  - and many more…
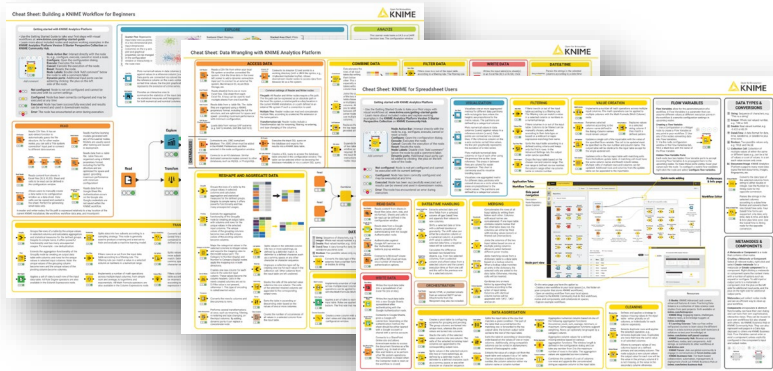
- Different books in four series:
  - Textbooks
  - Use Case Collections
  - Technical Collections
  - Transition Booklets
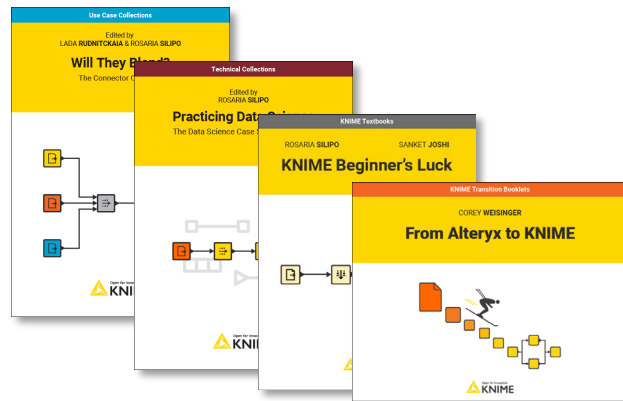
All books & cheat sheets are available for download at:

knime.com/knimepress

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Thank you!

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