Education and Evangelism

Courses, Meetups, Books, Academia, and more

KNIME Evangelists
Courses, Courses, Courses
New Courses!

- Time Series Analysis
- Data Wrangler
- Refresher
On-site Courses @KNIME in Austin / Berlin / …

- Introduction to KNIME
- Advanced KNIME
- Text Mining
- Big Data
- KNIME Server
- Chemistry
- Data Wrangler
- Refresher
- Time Series Analysis

knime.com/courses
### On-line Courses Schedule

<table>
<thead>
<tr>
<th>Date</th>
<th>Time</th>
<th>Course</th>
<th>Teachers</th>
</tr>
</thead>
<tbody>
<tr>
<td>Jan 8, 15, 22, 29, Feb 5</td>
<td>11:00am US- CST</td>
<td>KNIME Analytics Platform for Beginners</td>
<td>MW, KM</td>
</tr>
<tr>
<td>Feb 12, 19, 26, Mar 4, 11</td>
<td>11:00am US- CST</td>
<td>KNIME Analytics Platform Advanced</td>
<td>MW, KM</td>
</tr>
<tr>
<td>Mar 5, 12, 19, 26</td>
<td>12:00pm US- CST</td>
<td>KNIME Server</td>
<td>RB</td>
</tr>
<tr>
<td>Apr 22, 29, May 6, 13, 20</td>
<td>11:00am US- CST</td>
<td>KNIME Analytics Platform for Beginners</td>
<td>SF, CW</td>
</tr>
<tr>
<td>May 27, Jun 3, 10, 17,24</td>
<td>11:00am US- CST</td>
<td>KNIME Analytics Platform Advanced</td>
<td>SF, CW</td>
</tr>
<tr>
<td>Jul 2, 9, 16, 23</td>
<td>12:00pm US- CST</td>
<td>KNIME Server</td>
<td>RB</td>
</tr>
<tr>
<td>Jul 1, 6, 15, 22, 29</td>
<td>11:00am US- CST</td>
<td>KNIME Analytics Platform for Beginners</td>
<td>SF, CW</td>
</tr>
<tr>
<td>Sep 2, 9, 16, 23, 30</td>
<td>11:00am US- CST</td>
<td>KNIME Analytics Platform Advanced</td>
<td>SF, CW</td>
</tr>
</tbody>
</table>

One 1h-lesson per week for 4 weeks

[Knime.com/courses](https://knime.com/courses)
E-Learning Courses @KNIME

KNIME® Analytics Platform is the leading open solution for data-driven innovation, helping you discover the potential hidden in your data, mine for insights, or predict new futures. Our enterprise-grade, open source platform is built to deploy easy to scale, and intuitive to learn.

With more than 1000 modules, hundreds of ready to run examples, a comprehensive range of integrated tools, and the widest choice of advanced algorithms available, KNIME Analytics Platform is the perfect toolbox for any data scientist. Our steady course on unrestricted open source is your passport to a global community of data scientists, their expertise, and their active contributions.

KNIME Analytics Platform is easy to use, however if you are not yet very familiar with data manipulation and graphical programming, a few books may be helpful. That’s always been a theme of short courses to get started with KNIME.

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Free E-Course

Data Science E-Learning Course

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Free E-Course

KNIME Server E-Learning Course

knime.com/resources
E-Learning: @ other platforms

- Udemy
  - End to End Data Science Practicum with KNIME
  - Data analyzing and machine learning Hands-on with KNIME
  - KNIME Hands-on guide how to pre-process and visualise data
  - Bootcamp for KNIME Analytics Platform

- Lynda.com
  - Introduction to Machine Learning with KNIME with Keith McCormick
  - Data Science Foundations: Data Mining with KNIME

- Coursera
  - Code Free Data Science
  - Machine Learning With Big Data
  - Big Data - Capstone Project
  - Big Data

We can help!
Certification Program

• **5 levels**

• Now available:

  • **L1**
    – Proficiency in KNIME Analytics Platform for ETL and Visualization
    – Examination: 45 minute multiple-choice questionnaire

  • **L2**
    – Advanced proficiency in KNIME Analytics Platform and Basic Machine Learning
    – Examination: 45 minute multiple-choice questionnaire and a data science project (up to 6 hours of work over one week)

  [knime.com/certification-program](http://knime.com/certification-program)
Books from KNIME Press
New Books and Book Series at KNIME Press

KNIME Beginner’s Luck to start your journey

KNIME Advanced Luck To deepen your knowledge

From Words To Wisdom For Text Processing

From SAS to KNIME to transition from SAS

From Excel to KNIME to transition from Excel

The “Will they blend?” Collection

“Practicing Data Science” A case study collection
From Alteryx to KNIME

• By Corey Weisinger

• Available at KNIME Press: https://www.knime.com/knimepress

• It is free!
The Community
KNIME User Groups around the World

• Coming to your city?
• We need:
  – Location
  – KNIME Expertise
  – Promotion
What we can offer

• Presentations
• Learnathons & Workshops
• On:
  – Deep learning
  – Automated Machine Learning
  – Active Learning
  – Case Studies
  – ... and more

Want to host a meetup?
Email Mallika.Bose@knime.com
Will They Blend? Today: Twitter and Azure. Sentiment Analysis via API.

Mon, 09/06/2019 - 10:00 — craigcullum
Author: Craig Cullum

In this blog series we’ll be experimenting with the most interesting blends of data and tools. Whether it’s mixing traditional sources with modern data lakes, open-source developer on the cloud with protected internal legacy tools, SQL with noSQL, web-wisdom-of-the-crowd with in-house handwritten notes, or IoT sensor data with idle chatting, we’re curious to find out: will they blend? Want to find out what happens when website texts and Word documents are compared?

Community blog contributions

Mohammed Ayub
Chris Baddeley
Julian Borisov
John Carr
John Denham
Cem Kobaner
Armin Rudd
Joshua Symons

Craig Cullum

Multi-factor Auth for KNIME Server

Mon, 07/29/2019 - 10:00 — jweakley
Author: James Weakley

Using Okta to Modernize LDAP

We’d like to introduce James Weakley, a Data Architect at InterSystems, who recently wrote a short blog post on the topic of KNIME Server and Okta. James has the permission to publish it here. But first a few words about James.

Multi-factor Auth for KNIME Server

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Accessing the HELM Monomer Library with KNIME

Mon, 09/09/2019 - 10:00 — longoka
Author: Kenneth Longo

The cheminformatics world is replete with software tools and file formats for the design, manipulation and management of small molecules and libraries thereof. These data formats are often specialized in analyzing small molecules of ~500 daltons, give or take a few, or can only handle molecules that can reasonably be drawn and understood using classic ball-and-stick or molecular models. In some respects perhaps not coincidentally, this neatly envelops the KNIME Certification Program

Mon, 02/18/2019 - 10:00 — admin
Authors: Giuseppe di Fatta (University of Reading, UK) and Stefan Helfrich (KNIME)

Are you an expert in KNIME Analytics Platform? There is now an official way to answer this question: the world: You can test your KNIME proficiency with a new certification program developed by a collaboration between academia and industry.

Giuseppe di Fatta

From Modeling to Scoring: Finding an Optimal Classification Threshold based on Cost and Profit

Mon, 06/17/2019 - 10:00 — Mauri
Authors: Mauri Waldmann (KNIME) and Alfredo Roccato (Data Science Trainer and Consultant)

Wheeling like a hamster in the data science cycle? Don’t know when to stop training your model?

Alfredo Roccato

Declutter - four tips for an efficient, fast workflow

Mon, 09/02/2019 - 10:00 — admin
Recently on social media we asked you for tips on tidying up and improving workflows. Our aim was to find out how you declutter to make your workflows not just superficially neater, but faster, more efficient, and smaller: ultimately an elegant masterpiece! Check out the original posts on LinkedIn and Twitter.

Ted Hartnell

Market Simulation with KNIME: Android vs iOS

Mon, 03/11/2019 - 10:00 — admin
Author: Ted Hartnell (CTO of Scientific Strategy)

What is Market Simulation?

A market simulation is a way to model a real world market. Just as real world markets have products, features, brands, stores, locations, and competitive rivals, so does a market simulation. But what makes a market simulation truly realistic are the customers. Simulations can generate tens of thousands of virtual customers designed to mimic the purchase decisions of real world shoppers. Customers evaluate the differentiation offered by each product.
New Community Extensions

Formatted Excel Exporter nodes

Geospatial Processing / Visualization

And more...

- QlikView Integration by AnalytIQ
- Slack Integration by Sam Webb

Samuel Thiriot from Eifer.org
What Does It Take to be a Successful Data Scientist?

by Michael R. Berthold

ABSTRACT

Given recent claims that data science can be fully automated or made accessible to non-data scientists through easy-to-use tools, I describe different types of data science roles within an organization. I then provide a view on the required skill sets of successful data scientists and how they can be obtained, concluding that data science requires both a profound understanding of the underlying methods as well as exhaustive experience gained from real-world data science projects. Despite some easy wins in specific areas using automation or easy-to-use tools, successful data science projects still require education and training.

Keywords: data science, analytics, practitioner, education, insights, discovery

Data scientists are rare, that’s not new. Lots of educational programs are popping up to train more to meet the demand. Universities are creating data science departments, centers, or even entire divisions and schools. Online
Innovation Notes

Anomaly detection predicts when critical equipment parts will go bad – preventing failures and downtime

Maintenance is tricky business; you always wonder if the time between cost optimization and risk of equipment failure is worth it — with generally catastrophic consequences for machinery and safety. Equipment failure can be costly and result in unexpected downtime, which can lead to lost production and revenue. It’s crucial to predict and prevent equipment failures to minimize disruption and cost.

KNIME® Innovation Notes

Innovating store level sales through better brand portfolio decision making

A data-driven approach to optimizing marketing for a brand’s retail network is crucial for profitability. Companies can use data science and analytics to understand how their brand portfolio is performing across different regions and channels. This allows brands to optimize their marketing strategies and allocate resources more effectively.

KNIME® Innovation Notes

Guided Analytics for Competitive Pricing Decisions

Great pricing decisions are critical for every company. A data-driven pricing decision is crucial for competing against competitors by optimizing pricing decisions. Using data science and analytics, companies can better understand market dynamics and customer preferences, allowing them to set prices that maximize revenue and market share.

KNIME® Innovation Notes

Have one of your own? Email innovationnotes@knime.com

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Social Media

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New!

KNIMEanalytics

#KNIMESummit2019
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