aws marketplace

KNIME Business Hub

Reviews, tips, and advice from real users

Powered by **PeerSpot**

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Product Recap

![KNIME logo] KNIME Business Hub

KNIME Business Hub Recap

KNIME Business Hub offers a no-code interface for data preparation and integration, making analytics and machine learning accessible. Its extensive node library allows seamless workflow execution across various data tasks.

KNIME Business Hub stands out for its user-friendly, no-code platform, promoting efficient data preparation and integration, even with Python and R. Its node library covers extensive data processes from ETL to machine learning. Community support aids users, enhancing productivity with minimal coding. However, its visualization, documentation, and interface require refinement. Larger data tasks face performance hurdles, demanding enhanced cloud connectivity and library expansions for deep learning efficiencies.

What are the most important features of KNIME Business Hub?

- No-Code Interface: Simplifies data preparation without coding expertise.
- Node Library: Supports diverse data tasks, including ETL and machine learning.
- Python and R Integration: Seamlessly connects with popular programming languages.
- Automation Capabilities: Enhances workflow productivity.
- Visual Workflow Tools: Offers efficient data handling with visual aids.

What benefits and ROI can users expect from KNIME Business Hub?

- Increased Productivity: Streamlined data tasks reduce development time.
- Community Support: Access to extensive resources and user assistance.
- Cost-Effective: Robust performance even on standard hardware.
- Accessible Learning Curve: Simplicity allows easy access for educational and professional use.
- Enhanced Prototyping: Ideal for decision model testing.

KNIME Business Hub finds application in data transformation, cleansing, and multi-source integration for analytics and reporting. Companies utilize it for predictive modeling, clustering, classification, machine learning, and automating workflows. Its coding-free approach suits educational and professional settings, assisting industries in data wrangling, ETLs, and prototyping decision models.

Valuable Features

Excerpts from real customer reviews on PeerSpot:

✔ "I am impressed by the modularity and reusability in KNIME, especially the ability to make small adjustments to object configurations."

DanieleGentile

BI Analyst at a photography company with 11-50 employees

✔ "The hardest part is keeping a tidy workspace because of the many nodes involved. When teaching, it would be helpful if there was more emphasis on how to group nodes effectively. For example, turning frequently used nodes into a single component can simplify things."

Laurence Moseley

Emeritus Professor of Health Services Research at University of South Wales

✔ "It offers a node-based data integration and processing system connected through a user-friendly drag-and-drop interface. This makes it an excellent choice for data analytics and engineering tasks."

Nattawat Choosuwan

Senior Data Consultant at a government with 11-50 employees

✔ "The product is user-friendly."

Joao Lima

Senior Consultant at a mining and metals company with 10,001+ employees

✔ "KNIME is very easy to handle and use. Anyone can use it, and it's easy to learn."

Shyam_Sridhar

IT Specialist at a computer software company with 51-200 employees

✔ "KNIME is more intuitive and easier to use, which is the principal advantage."

Ana Toftigues

Student at ISCTE - INSTITUTO UNIVERSITÁRIO DE LISBOA

✔ "It's a very powerful and simple tool to use."

Laurence Moseley

Emeritus Professor of Health Services Research at University of South Wales

What users had to say about valuable features:

"The product is user-friendly. It is easy to use. My experience is very good. We could see the benefits of the solution immediately after deployment. It is a complete solution. The documentation is very good.."

Joao Lima   Read full review ↗
Senior Consultant at a mining and metals company with 10,001+ employees

"It's pretty straightforward to understand. So, if you understand what the pipeline is, you can use the drag-and-drop functionality without much training. Doing the same thing in Python requires so much more training. That's why I use KNIME.."

Verified user   Read full review ↗
Professor of Digital Production at a educational organization with 1,001-5,000 employees

"Since KNIME is a no-code platform, it is easy to work with. You don't have to write any codes and try to fix all the bits and pieces of coding or the intricacies of the programming language. Instead, getting a quick data prep or big data and eventually running it through your hypothesis is pretty fast. It's not ideal for huge data sets worth gigabytes, but it's okay since very few people have big data sets.."

AltanAtabarut   Read full review ↗
Solution Consulting, Growth, Analytics at Akinon

"KNIME is simple and allows for fast project development due to its reusability. I appreciate the ability to make improvements or modifications in existing workflows. Although I have not yet used the forecasting and customer profiling features, I find them promising.

Another effective feature is the ability to use GET request objects to retrieve data from websites or APIs. This makes iterative steps easy to manage. It is more elastic and modern compared to SAP Data Services, allowing node creation and regrouping components or steps for reuse in different projects.."

DanieleGentile   Read full review ↗
BI Analyst at a photography company with 11-50 employees

"KNIME is very easy to handle and use. Anyone can use it, and it's easy to learn. You don't need a specific class. They're very good at model prediction. It has got everything.

From data analysis to model prediction and application, it's very good. I only use the free community edition, not the enterprise one. I feel KNIME is really good. I haven't tried any other tool or platform yet, but KNIME is pretty good.

The workflow is great. You drag and drop, and then you have the data explorer and charts that give results.

The execution is also good – it's easy to identify where your model has gone wrong. It shows you the exact point of error within the workflow, so you don't have to execute the entire workflow to find it. For example, if your workflow has ten steps and the error is in the sixth step, it will show you the error at that step. You don't have to worry about the first five steps.

The Data Explorer is very good, and the charts are great too. The accuracy charts for different models, like decision tree, K3, Naive Bayes, are all very good. KNIME is great at reporting, whether it's structured or unstructured data. These are all very good features.."

Shyam_Sridhar
IT Specialist at a computer software company with 51-200 employees

Read full review ↗

"It's difficult to pinpoint one single feature because KNIME has so many. For starters, it's very easy to learn. You can get started with just a one-hour video. The drag-and-drop interface makes it user-friendly. For example, if you want to read an Excel file, drag the "read Excel file" node from the repository, configure it by specifying the file location, and run it. This gives you a table with all your data.

Next, you can clean the data by handling missing values, selecting specific columns you want to analyze, and then proceeding with your analysis, such as regression or correlation. KNIME has over 4,500 nodes available for download.

In addition, KNIME offers various extensions. For instance, the text processing extension allows you to process text data efficiently. It's more powerful than other tools like NVivo and Palantir.

KNIME also has AI capabilities. If you're unsure about the next step, the AI assistant can suggest the most frequently used nodes based on your previous work.

Another valuable feature is the integration with Python. If you need to perform a task that requires Python, you can simply add a Python node, write the necessary code,."

Laurence Moseley   Read full review ↗
Emeritus Professor of Health Services Research at University of South
Wales

Other Solutions Considered

"I had taken some online courses and read about KNIME, and I wanted to try out a drag-and-drop software. I was interested in evaluating KNIME, and this is why I am using it.."

Uzair Faruqi
Head Of Analytics at Mjunction Services

Read full review ↗

"I have experience in Qlik Sense, Tableau, and native Python programming. I personally switched to KNIME because my present employer had KNIME already implemented in the company. ."

Verified user
Data Scientist at a tech services company with 1,001-5,000 employees

Read full review ↗

"I have experience with Excel, and I faced some limitations since my company had loads of data to analyze. Considering that my company had loads of data to analyze, I would say I find KNIME to be very useful.."

Zayd Rahiman
Customs officer at Mauritius Revenue Authority

Read full review ↗

"I have experience with Python. Compared to Python, KNIME is better because of the user-friendliness it provides. With KNIME, you don't have to get involved with codes. KNIME provides nodes, making it a very easy tool to use.."

Zayd Rahiman   Read full review ↗
Customs officer at Mauritius Revenue Authority

"The solution is easier to use than Python because it links script to icons without having to write it down. Python is more effective at minimizing our efforts during the native rendering process.

I currently use the solution's desktop version but plan to introduce the on-premises version soon. ."

Hansong Choi   Read full review ↗
Head of Customer Analytics at American International Group

"I used RapidMiner. I have not been using it in six years. I used to use it six years ago. Then I switched to KNIME because a lot of my colleagues are using KNIME, so it felt like the right way to do it.

Moreover, I switched from one university to another, and at my new university, other colleagues are using KNIME as well. So, for the students, it's easier to go just with one product.."

Verified user

Read full review ↗

Professor of Digital Production at a educational organization with 1,001-5,000 employees

ROI

Real user quotes about their ROI:

"The biggest ROI comes from productivity when creating new things and also supporting old jobs.

"And there is no hidden cost. Licensing is simple and open than other platforms.."

Verified user

Partner, Turkey and The Netherlands at a tech vendor with 201-500 employees

Read full review ↗

"We have seen an ROI. In my case, as a consultant, I can create proofs of concept very quickly using KNIME. For example, if a client wants to explore a specific idea but is already committed to using platforms like Azure, Google Analytics, or AWS, we can still use KNIME to demonstrate the concept. This allows us to try out new ideas and algorithms before implementing the full project on their chosen platform, such as AWS, if needed.

The proof of concept approach is especially helpful when clients need to validate the feasibility of certain algorithms or machine learning techniques. ."

AshokPai

Consultant at World Media Group, LLC

Read full review ↗

Use Case

"KNIME is an analytics platform. We use the tool for prototyping solutions by using flat files without database connections. We use it for the decision tree models.."

Joao Lima
Senior Consultant at a mining and metals company with 10,001+ employees

Read full review [↗]

"We used the product to prepare data for our team. I would prepare SQLs and check them in Oracle Developer, then create workflows in KNIME to manage and process the data, creating specific tables for modeling.."

Júlio César Gomes Fonseca
Data Scientist at Orys

Read full review [↗]

"It is suitable for various industries, including government, enterprise business, product manufacturing, and banking and finance. KNIME provides effective solutions for data-related tasks.."

Nattawat Choosuwan
Senior Data Consultant at a government with 11-50 employees

Read full review [↗]

"Rather than specific use cases, I've used it in different sectors. Mostly education. For example, we've used it to predict the kinds of courses or degrees students should pursue based on their skill set and learning capability.."

Shyam_Sridhar
IT Specialist at a computer software company with 51-200 employees

Read full review ↗

"I primarily use KNIME for ETL, extracting data from different sources. I extract data from endpoints of Drupal created for me by developers, then transfer this data into Oracle. After extracting, I create a model in Oracle with ETL, which is used by Power BI. Following this, I create a star schema of the data.."

DanieleGentile
BI Analyst at a photography company with 11-50 employees

Read full review ↗

"I use KNIME for a wide variety of purposes. Most recently, I employed it in a survey and experiment to explore different teaching methods, specifically using software to help nurses learn drug dose calculations. This became particularly important during the pandemic when there was an urgent need to reskill healthcare professionals rapidly.

During the early days of the pandemic, no one knew how to treat COVID-19, and it was a dire situation with high mortality rates. The healthcare system had to adapt quickly, with retired nurses and doctors being called back into service and nursing students stepping up to meet the demand. A program I had previously worked on, which taught drug dose calculations, became crucial again. Nurses had to familiarize themselves with a whole new set of drugs.

I analyzed the data from this program using KNIME. I handled various statistical analyses, including mean, standard deviations, regression, correlation, and Wilcoxon signed-rank tests.."

Laurence Moseley   Read full review ↗
Emeritus Professor of Health Services Research at University of South
Wales

Setup

The setup process involves configuring and preparing the product or service for use, which may include tasks such as installation, account creation, initial configuration, and troubleshooting any issues that may arise. Below you can find real user quotes about the setup process.

"Overall, it's still easier than using Python, so it's still fine. But, actually, they made it more complex by switching from the last version to the one before.."

Verified user   Read full review ⬈

Professor of Digital Production at a educational organization with 1,001-5,000 employees

"I just downloaded it and then ran it. The process really was that simple. If I need one of the extensions (e.g. text mining), the process is just as simple.."

Laurence Moseley   Read full review ⬈

Emeritus Professor of Health Services Research at University of South Wales

"The initial setup of the solution is easy. Installing the KNIME Analytics free version on a desktop takes only a few minutes. The setup and installation process is quite easy to begin. ."

Verified user
Data Scientist at a tech services company with 1,001-5,000 employees

"The deployment is not very hard or time-consuming on-premises. The only challenge is dealing with hardware limitations like memory and GPUs.

Currently, we deploy KNIME on-premises, but there is a paid cloud option available.."

AshokPai
Consultant at World Media Group, LLC

"The server versions have no designated hardware requirements for initial installation and configuration. This can lead to difficulties, such as errors related to hardware and sizing. Providing the right hardware and understanding the setup requirements is crucial for proper configuration.

I rate the initial setup an eight out of ten, where one is difficult and ten is easy.."

Nattawat Choosuwan   Read full review ↗
Senior Data Consultant at a government with 11-50 employees

"My company has some problems related to the solution's updates. I don't know if there are some restrictions from my organization because of which I cannot update or install some extensions.

The solution can be deployed in a few minutes.

The solution is currently deployed only on my personal computer, which I use in my company.

Only one person or an IT administrator is required to take care of the installation phase of the product.."

Zayd Rahiman   Read full review ↗
Customs officer at Mauritius Revenue Authority

Customer Service and Support

"Support and documentation for the solution are only available in English and I would like that expanded to other languages. I rate support a six out of ten. ."

Hansong Choi
Head of Customer Analytics at American International Group

Read full review ⇗

"I contacted their technical support around five times. While they cannot always provide immediate answers, they are generally efficient and simplify tasks, especially in the initial phase of learning KNIME.."

DanieleGentile
BI Analyst at a photography company with 11-50 employees

Read full review ⇗

"When I had to do things new to me and didn't know how to proceed, I used the KNIME hub and community forum. Both times, I received answers within twelve hours that solved my problems. From that experience, I'd say their support is superb, even on the free version, and I imagine it's even better on the paid version.."

Laurence Moseley
Emeritus Professor of Health Services Research at University of South Wales

Read full review ⇗

"KNIME provides good support. The only challenge is that they are in Germany, so sometimes the time difference can be a factor. As it's a free product, they may not be available all the time. But the platform itself is easy to use, and they have very good documentation, so we rarely need technical support.."

AshokPai
Consultant at World Media Group, LLC

"I have not used the support from KNIME.

I used the open-source package and started experimenting with it in Python, R, and KNIME. For KNIME, I had to go through the KNIME forum for troubleshooting. I didn't get a response for any of the issues I encountered on the KNIME forum. As for other open-source languages, I haven't received a response for any of the issues I faced either.."

Uzair Faruqi
Head Of Analytics at Mjunction Services

"I have not contacted the company for technical support. They have a community hub where many users contribute and I have used that for assistance and it has worked well for me. I am not commenting on the company's specific support services, but rather on the facility provided by the company for users to communicate with each other. Often, you can't distinguish whether the person providing the advice is an official representative of the company or a fellow user.

The support provided by the community hub is excellent. You can post questions and usually receive a reply within 24 hours. Sometimes you even receive workflow that can be easily integrated into your own work, saving you the time and effort of retyping it.."

Laurence Moseley

Emeritus Professor of Health Services Research at University of South Wales

Read full review ↗

Other Advice

"I am impressed by the modularity and reusability in KNIME, especially the ability to make small adjustments to object configurations. I am interested in its interaction with Python and machine learning aspects. Also, I recommend KNIME to others as I face difficulty finding reasons not to. My overall rating for KNIME is between nine and ten.."

DanieleGentile
BI Analyst at a photography company with 11-50 employees

Read full review ↗

"KNIME offers a free starter tool with a desktop version that allows you to manage the entire data lifecycle and build data pipelines. This is suitable for small data science or engineering teams. However, if you need to deploy KNIME at an enterprise level or require advanced features, you must purchase a license. The pricing is reasonable compared to alternative tools, but it might be beneficial if there were more affordable options for small businesses or SMEs.

Overall, I rate the solution an eight out of ten.."

Nattawat Choosuwan
Senior Data Consultant at a government with 11-50 employees

Read full review ↗

"We integrated KNIME with Oracle, Apache, and other tools. It allowed us to pull data from various sources, such as Oracle, CSV, and Excel, into one consolidated table, which was very efficient.

Overall, I rate it an eight. It is a good tool, especially for our current requirements. However, there were limitations, such as space issues and occasional process slowdowns due to memory constraints. Despite these challenges, it is a solid product.

I recommend it to other professionals, particularly those who work with diverse datasets and require a flexible tool to manage data flows. It is user-friendly, especially for individuals with a background in Java or Python, as it allows for custom operations and automation, which I found very helpful in my experience.."

Júlio César Gomes Fonseca
Data Scientist at Orys

Read full review ⬈

"It takes some time to get familiar with it. I'm not sure how long it will take in the meantime. If one person learns it but the whole institution doesn't use it, that's a problem. Some people in our department use QuickSight, I use Tableau. We speak different languages, and it's hard for us to work together. Some use KNIME. We use it and then stop. We switched to Tableau, but it's expensive, so they're trying QuickSight. I don't know which platform we'll end up using.

We're still exploring KNIME for data manipulation, though Tableau or Power BI might be more convenient. I've used Alteryx before, and KNIME seems similar. I mainly use KNIME for machine learning, not as much for data manipulation.

I rate the overall product a seven out of ten.."

Verified user
Student at a performing arts with 201-500 employees

Read full review ⬈

"I have a CSV reader, and I encounter an error whenever I try to save. However, if I reset the CSV reader, I am able to save successfully. It's a rare issue, but there's something wrong with the CSV reader. The error message doesn't provide a solution, only indicating a problem with the CSV reader.

I want to save the project but always face saving issues. If I reset the node, the saving works fine. The error message isn't clear about what is wrong or how to fix it. I discovered on my own that resetting the CSV reader from green to yellow allows me to save the project. This issue is quite rare.

Last Friday, there was a widespread CrowdStrike issue, and I had to restart my computer. After restarting, I lost my entire project.

I recommend the solution.

Overall, I rate the solution a nine out of ten.."

Verified user
Senior Consultant at a tech vendor with 10,001+ employees

Read full review ↗

"The tool has a community, and people are very helpful. I've been impressed by that. I'm trying to think of ways I want to improve. I did start it up on a Windows PC. It seemed a bit easier for some reason, but I'm now on a Mac. I have trouble with the magic mouse, but that's an issue with any software not specific to KNIME. It worked well when I received data from other people. I haven't tested it on a ten-billion-item database, but it works well for hundreds of thousands to a million items. I haven't tried the big databases because that's for the commercial version.

The solution has a lot of video material for teaching and upskilling people. If I've got a colleague that I just introduced to it, I send them links to two videos, and they learn from that. That's two hours of work for them in two sessions, and they've got a programming language under their belt.

For instance, I've never used it to build a neural net, though it has many different neural nets. I have used it for decision trees, regression models, and so on, and KNIME has been very easy to use for those. It takes much of the work away from you. For example, if I build a decision tree, I usually want to take several samples from your training data and then choose the best outcome.

With the tool, you just put the Decision Tree Learner node in there, set what percentage you want for training and testing, say 60% for learning and 40% for testing, and how many times you want to do it, like seven times. It runs seven samples, does the training and testing, and reports back to produce a model. Then, you can use a Scorer node to score your results. I produced the first-ever machine learning exercise in nursing in 2008, which wasn't using KNIME, but I think KNIME was available then. That project was associated with a reduction in the dropout rate from the university from 19% to five percent over three years. And you can do all that for free with KNIME, even with a dataset of about 1,200 students, on your PC with no trouble.

I read a report from Uppsala in Sweden where, during the pandemic, they had to repurpose many drugs developed for other diseases to find out which ones would be useful for COVID. They went through thousands and millions of drugs, and it seemed to reduce the time to develop or choose drugs by a major factor.

The solution accessed about eight or ten different chemical databases, biobanks, and similar resources and could integrate with all of them. One of the good things about KNIME is its ability to read different data sources. For instance, it has platform connectors, allowing you to link to various external systems. It's just a matter of plugging in a node and linking it up without usually needing to write new code. For example, in my use case, reading from an Excel file used to require configuring a node manually, but now you choose the file you want to analyze, put it on your workspace, and it recognizes the file structure automatically, whether it's an Excel file, CSV, or tab-delimited file, and provides the correct node. It's quite intelligent.

If you're considering using the solution for the first time, I recommend starting with a one-hour introductory video to get a basic understanding. If you need more

information, check out KNIME TV. They have a channel with hundreds of short videos, usually five to 30 minutes long. These videos show you how to drag and drop nodes, configure them, and run them to see the results. It's a very visual way of learning.
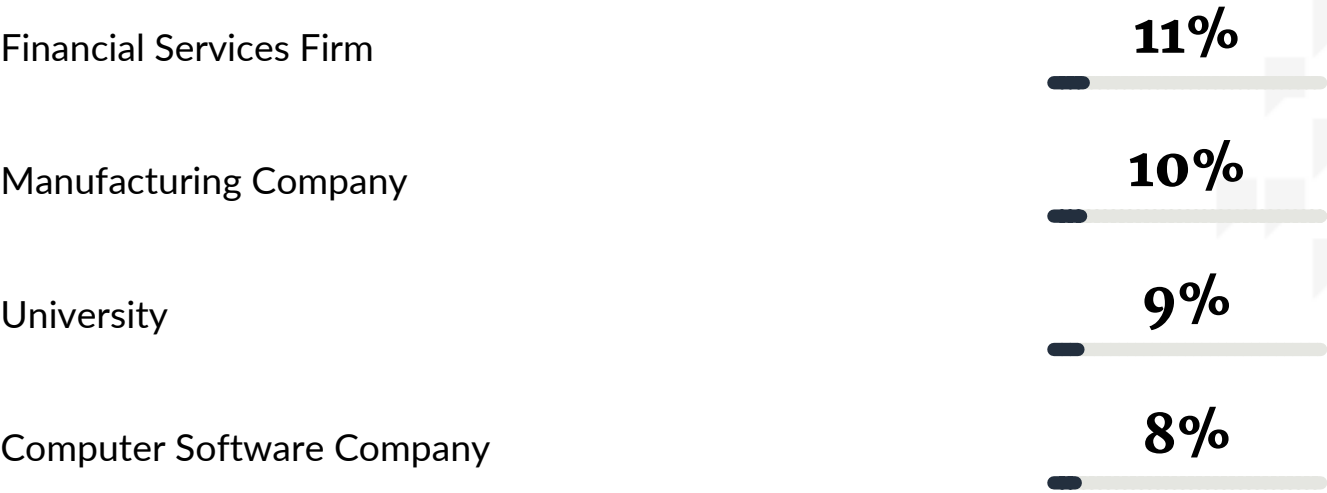
I rate the overall product a nine out of ten. ."

Laurence Moseley
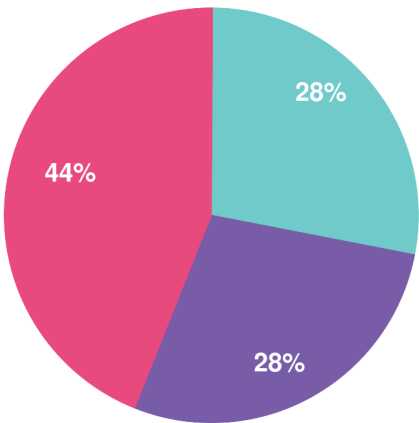Emeritus Professor of Health Services Research at University of South Wales

Read full review ↗
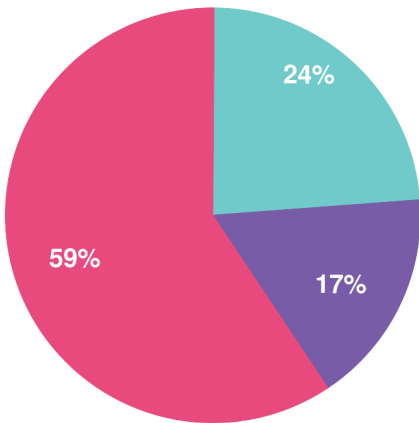
Top Industries

by visitors reading reviews

Financial Services Firm

11%

Manufacturing Company

10%

University

9%

Computer Software Company

8%

Company Size

by reviewers

28%
44%
28%

by visitors reading reviews

24%
59%
17%

● Large Enterprise   ● Midsize Enterprise   ● Small Business

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