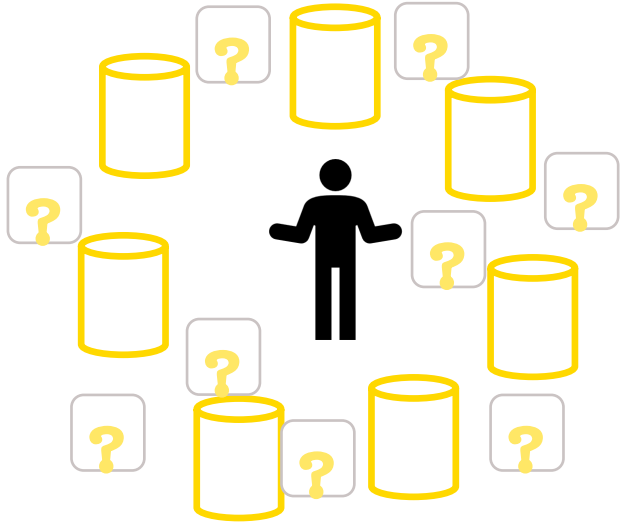


How KNIME uses KNIME

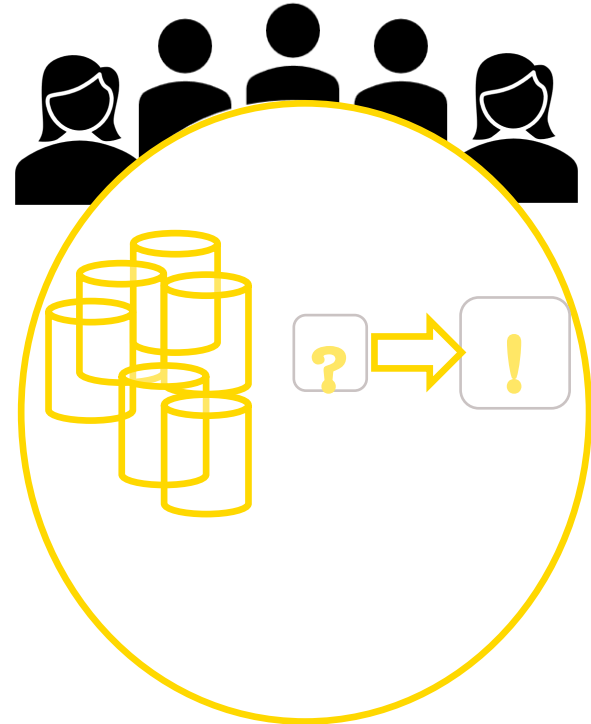
Iris Adä
... and the Data Team

Challenges

- More and more data
- More and more questions
- No clear responsibilities

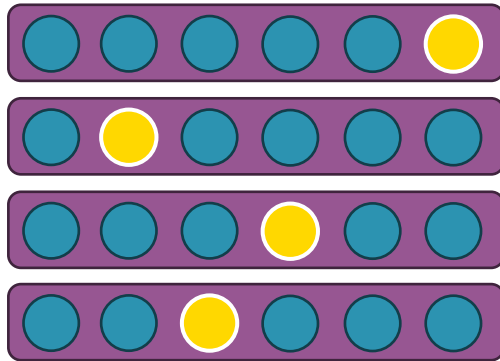


We need a Data excellence team



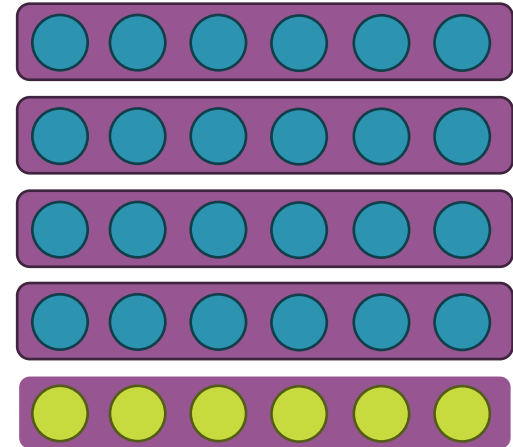
Data Team Setup – Team based vs. practice based

Team Based



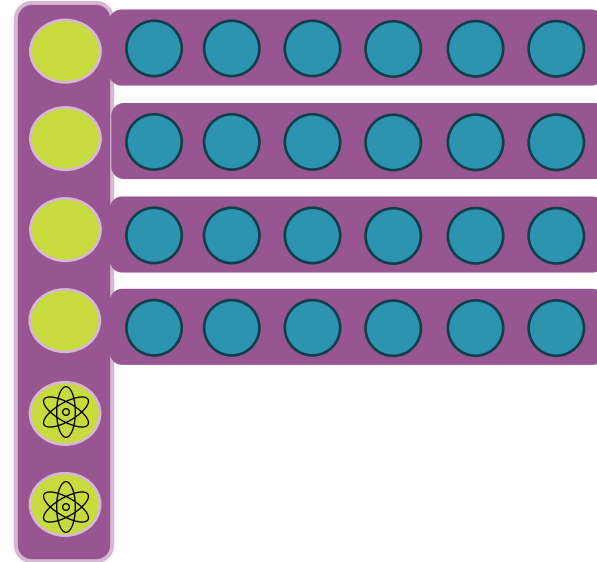
- Finance Analyst
- Revenue Analyst
- HR Analyst
- Marketing Analyst

Practice based



Data Team Setup

- DatA is part of the business teams and its own practice team
- No lone fighters
- Close connection to business via clear business partnering,
- Additional Data Engineering resources, keep our backend strong

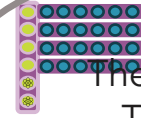


DatA -
Short for Data & Analytics

How KNIME uses KNIME for fluid Data Insights

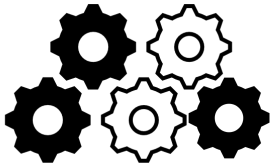


KNIME Business Hub

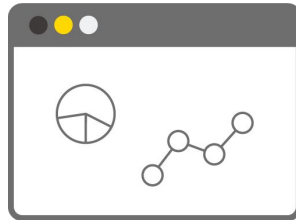


The DatA
Team

Automation
Powerhouse



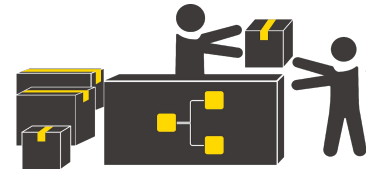
Standardized
Reporting



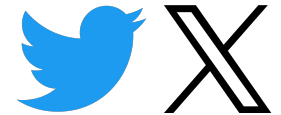
Interactive Analysis
via DatApps



Sharing best
practice with
components

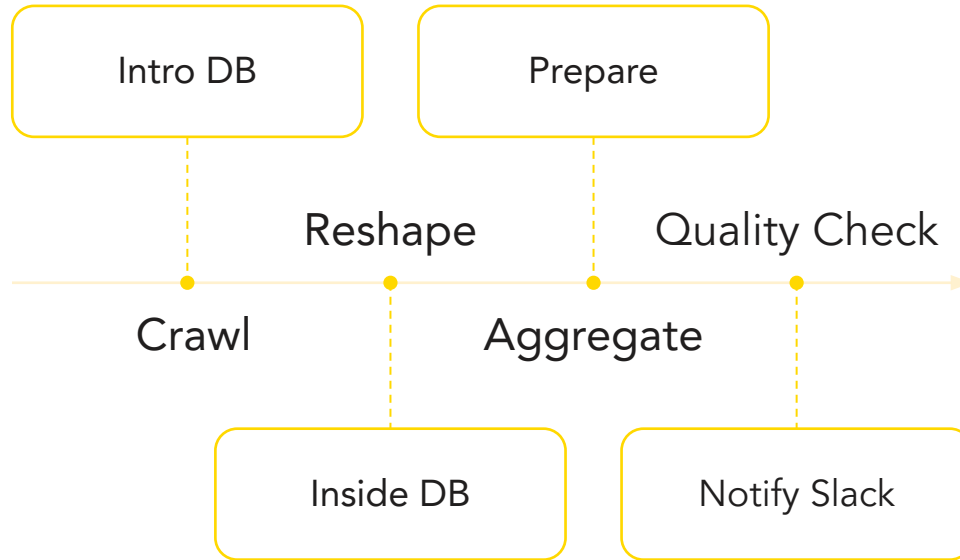


Which data do we look at?



















Processing Pipelines

- A system of around 200 workflows => Controlled by one Single workflow and schedule



Data Ingestion

- ▼  DatA Ingestion
 - ▼  Automatically Executed
 - >  Every 1 Hour
 - ▼  Every 24 Hours
 - >  10 Executed First (Crawlers, Parsers, ...)
 - >  20 Database Restructure
 - >  30 Data Wrangling
 - >  40 Aggregations
 -  80 Notifications
 - >  99 Sanity Checks
 - >  Inactive
 - >  long-running
 - >  Every 2400 Hours
 -  Every 6 Hours
 - >  DatA Ingestion
 - >  DatA Ingestion Investigation

Schedule your workflow to run automatically at selected times.

Deployment name

Hourly Execution of DatA Ingestion

Version

v223 Updated workflow 'DatA Ingestion' - Mar 15, 2024 10:29 AM

Execution context

5.2.3 DatA Execution Context

Schedule options

Define when the workflow should be executed.

Initial execution

2024-02-15 16 : 20 : 00

Repeat execution

Every Start times

1 Hours

Schedule ends date

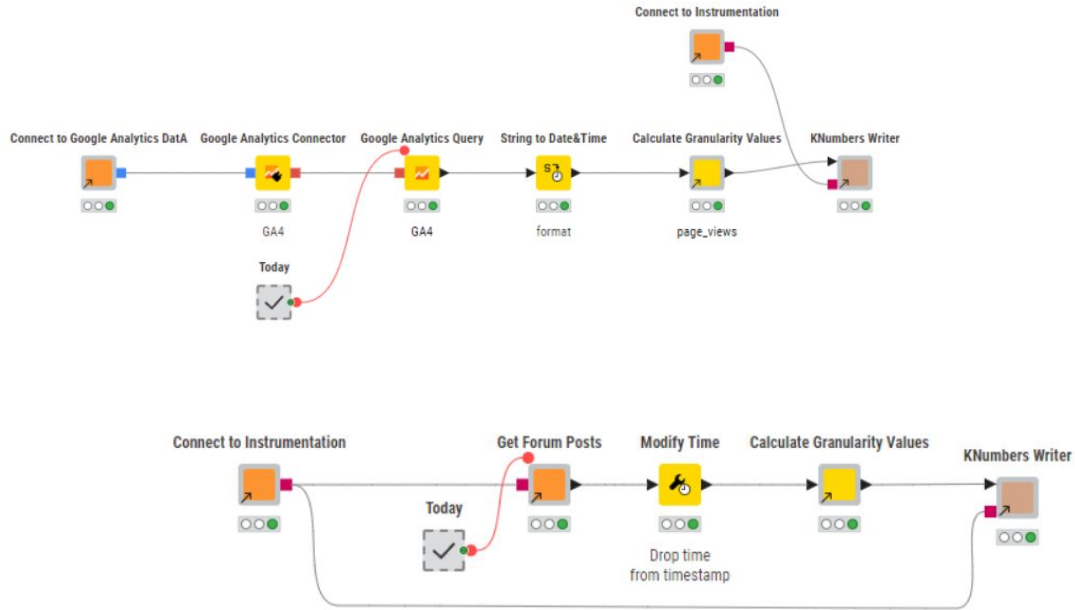
Never Date

Sounds interesting?
We can share this
with you.

KNumbers

- What are the ~~K~~numbers?
 - The Knumbers is a summary of around 200 KPIs we track for the full company.
 - They cover everything:
 - from financials, as our Revenue,
 - over HR like Headcount
 - to Evangelism, as the people succeeding in our certification
 - and Marketing, like event attendees.
 - We today will use the Knumbers as one exemplary project what the DatA Team did.

KNumbers in Database

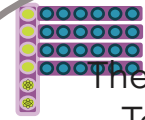


Called via Data Ingestion

How KNIME uses KNIME for fluid Data Insights

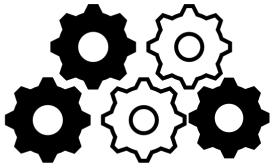


KNIME Business Hub

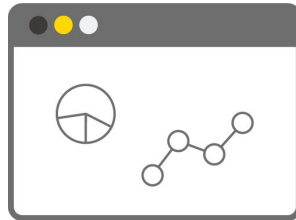


The Data Team

Automation
Powerhouse



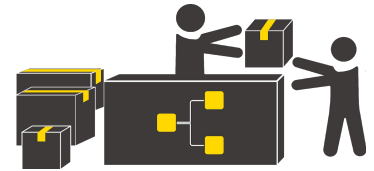
Standardized
Reporting



Interactive Analysis
via DatApps



Sharing best
practice with
components



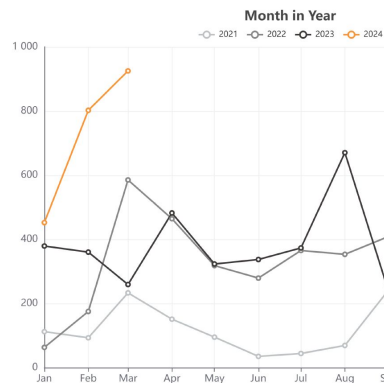
KNumbers – Reporting

2.1- EDUCATION

Issued certificates

The number of issued certificates in the defined timespan, KNIMers are excluded.

Current Month	Previous Month
925	802 (+15.3%)



The growth rates are calculated by comparing the Current Month(Mar/24) value with the value in each of the three other time periods. The coloring

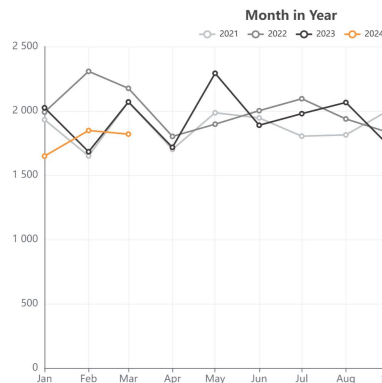
Mar/24

0- GLOBAL

Forum posts

The number of forum posts in the defined timespan.

Current Month	Previous Month
1819	1847 (-1.5%)



The growth rates are calculated by comparing the Current Month(Mar/24) value with the value in each of the three other time periods. The coloring

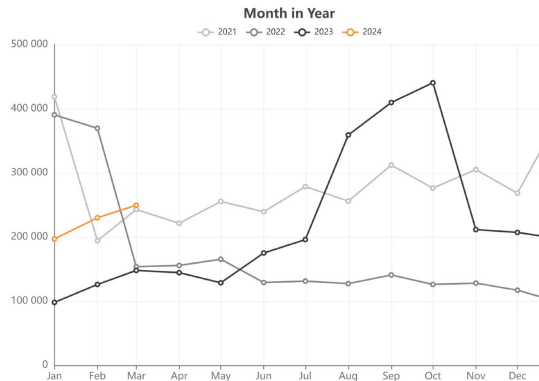
Mar/24

0- GLOBAL

Hub workflows downloads

The number of downloads of Hub workflows in the defined timespan.

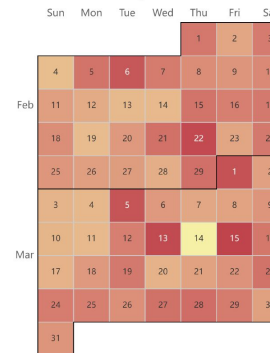
Current Month	Previous Month	Previous 12 Months Avg.	Same Month Last Year
249 404	229 911 (+8.5%)	237 131 (+5.2%)	147 818 (+68.7%)



The growth rates are calculated by comparing the Current Month(Mar/24) value with the value in each of the three other time periods. The coloring of each value is: Red: Growth rate less than -5%. Black: Growth rate between -5% and +5%. Green: Growth rate greater than +5%. The darker the red the higher the value in the calendar.

Mar/24

Monthly Calendar

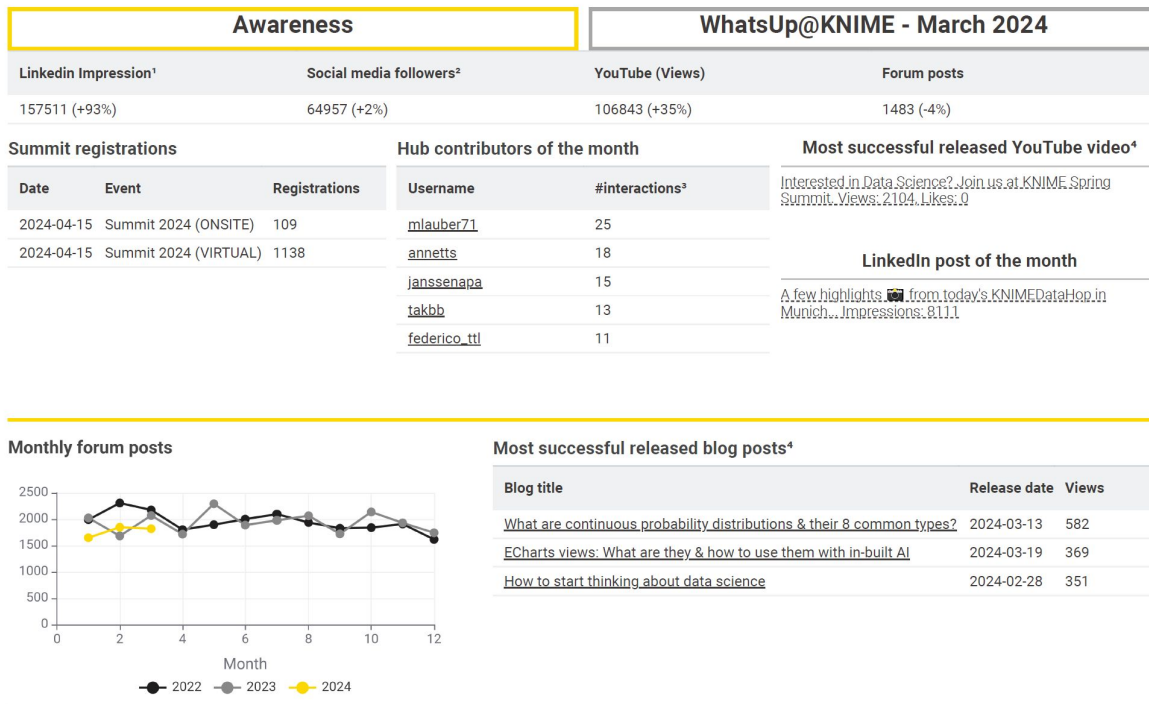


KNumbers Sheets Reporting

Last Updated On: 2024-04-05 at 10:40															
OKR of Team	ID	Short Description	Goal Type	2023				Q1		Q2		Q3		Q4 Act	
				2023 Q1	2023 Q2	2023 Q3	2023 Q4	Q1 Act	Q1 Plan	Q2 Act	Q2 Plan	Q3 Act	Q3 Plan		
GLOBAL															
Marketing	010_page_views	Website page views	in-qtr	1,231,072	1,090,349	1,170,946	1,226,190	1,205,174	1,292,626	71,954	n/a		n/a		
	020_forum_posts	# forum posts	in-qtr	5,775	5,896	5,764	5,809	5,313	5,833	265	n/a				
Product	030_public_vrfs	# vrf uploads	in-qtr	14,003	15,752	17,438	18,884	21,166	20,772	21,221	n/a				
Evangelism	040_certif	#issued certificates	in-qtr	998	1,142	1,278	1,106	2,179	1,098	233	n/a		n/a		
SOCIAL MEDIA															
Marketing	100_sm_followers	Social Media Followers	snapshot	52,500	55,754	59,556	61,597	64,957	64,677	n/a	n/a		n/a		
Marketing	110_blog_views	Blog post views	in-qtr	104,796	98,438	93,766	106,988	103,276	110,036	5,298	n/a				
Marketing	120_youtube_views	YouTube views	snapshot	55,303	53,735	48,849	49,842	106,843	60,833	6,718	n/a				
HR															
HR	200_nationalities	# nationalities	snapshot	32	30	31	30	27	n/a	29	n/a		n/a		
HR	210_open_positions	Open Positions	snapshot	17	28	26	17	15	n/a	13	n/a		n/a		

- Daily updated
- Manually maintained goals
- Cross-Company KPI Tracker

What's Up - KNIME internal Company Update



1) LinkedIn Impressions is the sum of the impressions received in the defined report period.

2) Social media followers from LinkedIn, Facebook, Instagram, Twitter.

3) The number of downloads of workflows and components.

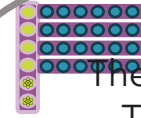
4) The most successful Youtube video/blog posts are defined as those that have been released within the last 37 days and have the most views within 7 days after release.



How KNIME uses KNIME for fluid Data Insights

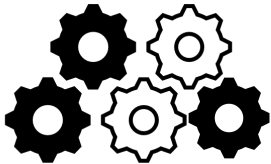


KNIME Business Hub

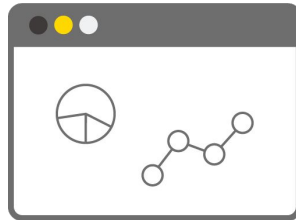


The DatA
Team

Automation
Powerhouse



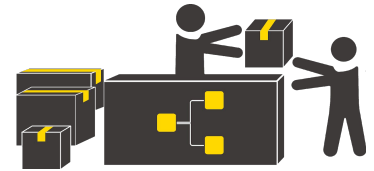
Standardized
Reporting



Interactive Analysis
via DatApps



Sharing best
practice with
components



Data Apps Portal

- Roughly 100 DatApps
- Self-Service Analytics



Recently used data apps

KNumbers

KNumbers_dataApp The KNumbers_dataApp workflow produces the following information based on the selected category of KN...

Provided by: DatA

KNIME Business Hub License Generator

Generate KNIME Business Hub Licenses! You will get the license via email, but can also download it.

Provided by: DatA

AWS Monthly Product Inspection

This Data App produces the following statistics during the selected month and year: - Number of products sold - Reven...

Provided by: DatA

Extension Usage Inspector

Extension Usage Inspector This data app allows you to select multiple extensions and compare the usage statistics.

Provided by: DatA

All Analytics Platform Analytics Board Meeting Cloud Cloud Operations Community Hub Analytics Confidential Customer Care Customers DatA Internal Early Access

General KNIME Internal Market & Competition Marketing **Marketing & Evangelism** Partners Product Sales Opportunity Analytics Slice and Dice Other

Marketing & Evangelism

Campaign Influence Data App

Campaign Influence Data App This data app shows campaign performance on Leads and Opportunities.

Provided by: DatA

Forum Threads Analytics

This workflow is to analyze Threads in the KNIME Forum in a given period. Information is given for: - Threads per Forum...

Provided by: DatA

Forum User Analysis

This data app shows an overview of the forum user behaviour over time.

Provided by: DatA

Get Registered Users For Event

GetRegisteredUsersForEvent With this workflow you can get an overview of the events hosted on Eventbrite, Meetup, Hopin...

Provided by: DatA

Slice and Dice – The Cloud

Cloud Slice and Dice

Time Settings

Start Date: 2022-01-01

End Date: 2022-07-31

Granularity: Yearly Quarterly Monthly

Slice (Filtering)

Select the properties you want to have included. Default: everything included.

Reported With	License Type	Cloud	Offering
Billing	BYOL	AWS	Free
Usage	PAYG	Azure	Paid
		Community Hub	Paid (annual contract)

Product Title	Usage Weekday	Cohorte	Country
Community Hub Disk storage...	Unknown	2017	Argentina
Community Hub Execution	Monday	2018	Australia
Community Hub Team plan	Tuesday	2019	Austria
Community Hub Users	Wednesday	2020	Belgium
KNIME Analytics Platform	Thursday	2021	Bolivia (Plurinational State of)
KNIME Business Hub - BYOL ...	Friday	2022	Brazil

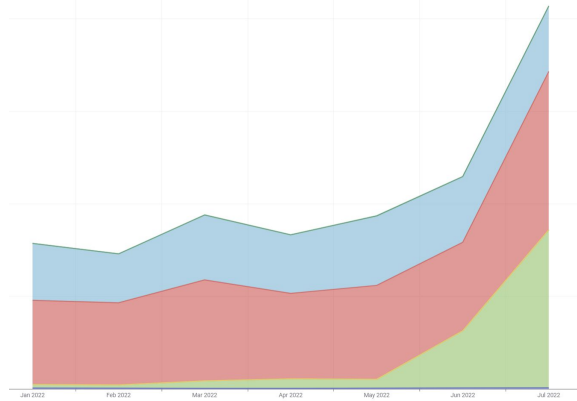
Dice (Split by): Product Title

Apply Settings



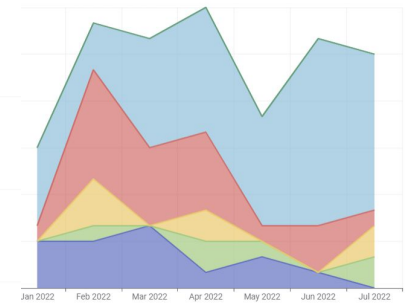
Revenue Analysis

Cloud Revenue (EUR)

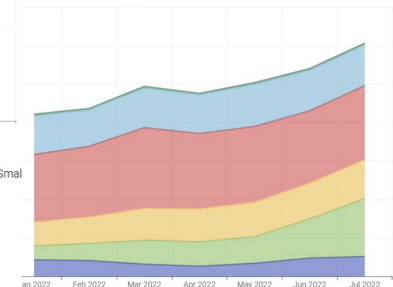


● KNIME Analytics Platform
 ● KNIME Executor
 ● KNIME Server Large
 ● KNIME Server Medium
 ● KNIME Server Small

Newcomer Analysis



Cloud Usage Hours



Forum Threads Analytics ?

This workflow is to analyse Threads in the KNIME Forum in a given period.

Select date range - from:

2022-04-01

to:

2023-12-31

Configuration:

Enter the date range (above) and Forum Categories (below) of interest and hit the REFRESH-Button. The Filter for Categories does not apply to the bottom 'Reply-time section'.

REFRESH



Aggregation

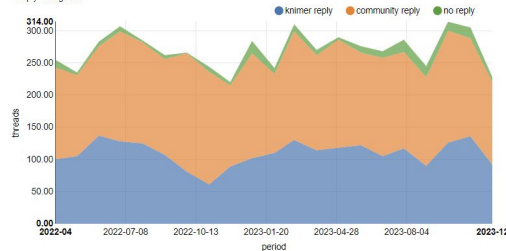
- daily
- monthly

3.52

% no reply

Threads per Month

Reply Categories



Aggregation

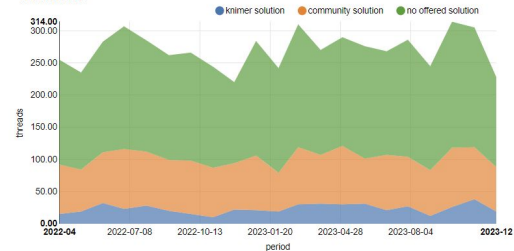
- daily
- monthly

37.8

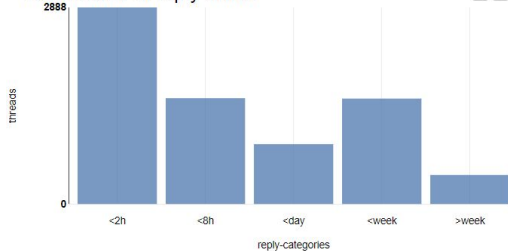
% offered solution

Threads per Month

Offered Solutions

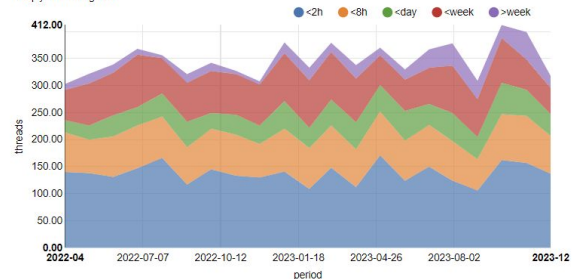


Distribution of reply-times



Threads per Month

Reply-time categories



Email Report Subscription Portal ? i

Select the internal KNIME report you want to (un-)subscribe in the left table and click "Apply changes" (or "Next"). If you want to subscribe a colleague, enter their email address and click "Change Email".



Enter your Email Address

iris.adae@knime.com

Change Email

12

Number of Subscriptions

Subscribed	<input type="checkbox"/> Report Name (click to reveal details)	Report Frequency
true	<input type="checkbox"/> ▶ Get List of new Emails registered on the webpage	Weekly
true	<input type="checkbox"/> ▶ Monthly Cloud Report (AWS and Azure)	Monthly
true	<input type="checkbox"/> ▶ AWS_large_report	Weekly
true	<input type="checkbox"/> ▶ Waterfall Analysis	Monthly
true	<input type="checkbox"/> ▶ KNumbers weekly	Weekly
true	<input type="checkbox"/> ▶ KNumbers monthly	Monthly
true	<input type="checkbox"/> ▶ KNumbers quarterly	Quarterly
true	<input type="checkbox"/> ▶ Cohort Analysis	Monthly
true	<input type="checkbox"/> ▶ Partners 2 KNIME	Weekly
true	<input type="checkbox"/> ▶ Blogs views	Weekly
true	<input type="checkbox"/> ▶ Opportunity Review Report	Quarterly
true	<input type="checkbox"/> ▶ Downloads per Region	Monthly
false	<input type="checkbox"/> ▶ Newly Added Handraisers	Daily
false	<input type="checkbox"/> ▶ Propensity 2 KNIME	Weekly
false	<input type="checkbox"/> ▶ Weekly Report New Forum Posters	Weekly
false	<input type="checkbox"/> ▶ Salesforce_vs_Hubspot_HR	Weekly
false	<input type="checkbox"/> ▶ Get Partner Ready status	Daily
false	<input type="checkbox"/> ▶ Executor Aliveness Notification	Daily
false	<input type="checkbox"/> ▶ partner_promocodes_LU_EB	Monthly

Apply Changes

Project Planning with DatApps

Das Schloss 2023 - Project Registration

Use this data app to submit and modify project ideas.

Refresh

What do you want to do?

- View All Projects
- Add new Project
- Modify existing Project
- Delete existing Project

Project Name

My Project

Short Title

Organizer

Interested Attendees

Needed Skills

Outcome

Improvement of ..

Detailed Description

Submit Project

Project Voting - Schloss 2023

In order to decide which projects should be considered for the schloss 2023, every KNIME® can submit up to six votes. Please note that voting for a project does mean that you are interested in attending the project. The scale from zero to three indicates how likely you will attend the project.

Refresh

What do you want to do?

- Explore Projects
- SignUp as Organizer

My Votes:

- I41 (internal usage of AI) (2)
- AI Drogendorf (2)
- Title Radar (1)

Projects

List of all projects. SignUp for maximum one project you want to organize. Note: the proposer, potentially previous organizer, and you will receive a slack notification confirming the registration.

Refresh

Signup

Search:

project_name	proposer_name	organizer_name	needed_skills	created	my_votes	#interested
<input type="checkbox"/> Salesforce ARR meets Odoo ARR	sabrina reiner	sabrina reiner	KNIME, workflow building, passion for numbers :)	2023-08-10	0	11
<input type="checkbox"/> KNIME Culture	nora.ohlerich	nora.ohlerich	No essential knowledge is necessary.	2023-08-17	0	46
<input type="checkbox"/> New Zabbix monitoring server	martin heyder	martin heyder	Linux, Zabbix, interest in network infrastructure, servers and monitoring	2023-08-18	0	4
<input type="checkbox"/> The Life Science Lab	maryna pawletta	maryna pawletta	Workflow development or Interest in Life Sciences	2023-08-16	0	5

No matching records found

Showing 0 to 0 of 0 entries (filtered from 38 total entries)



How to organize your next event using KNIME

June 27, 2024 | by Clara Biedermann

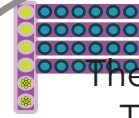
AUTOMATION INSPIRATION

Read more →

How KNIME uses KNIME for fluid Data Insights

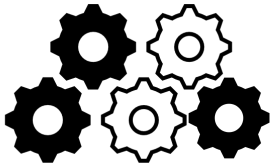


KNIME Business Hub

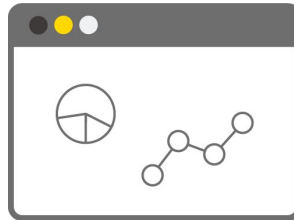


The DatA
Team

Automation
Powerhouse



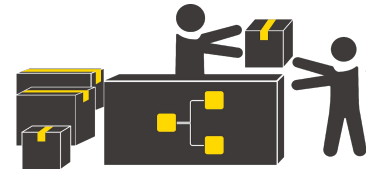
Standardized
Reporting



Interactive Analysis
via DatApps

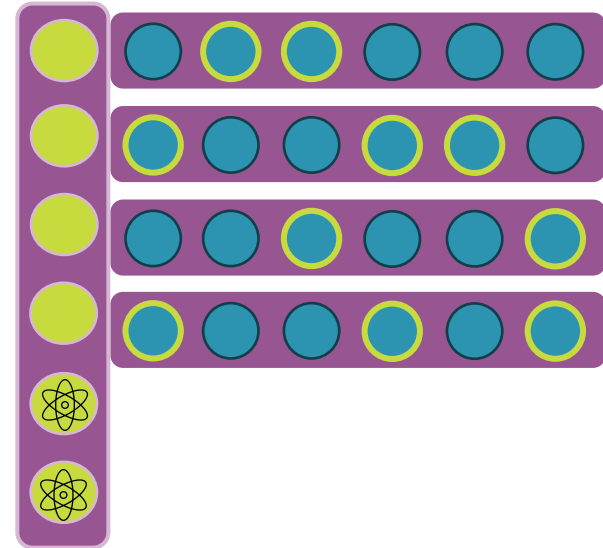
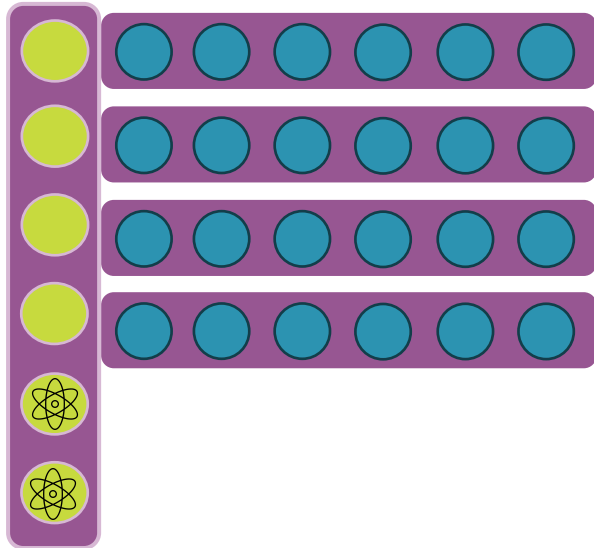


Sharing best
practice with
components



Enabling – Fluidity

- Over time we got more and more tasks.
- Especially one time tasks are time consuming and need a lot of collaboration
- Instead of having requests wait, we want to enable.



Components (and example workflows)



Welcome to DatA Hub

Solutions for data science: find workflows, nodes and components,
and collaborate in spaces.

 Search workflows, nodes and more...

56

Workflows

3 211

Nodes

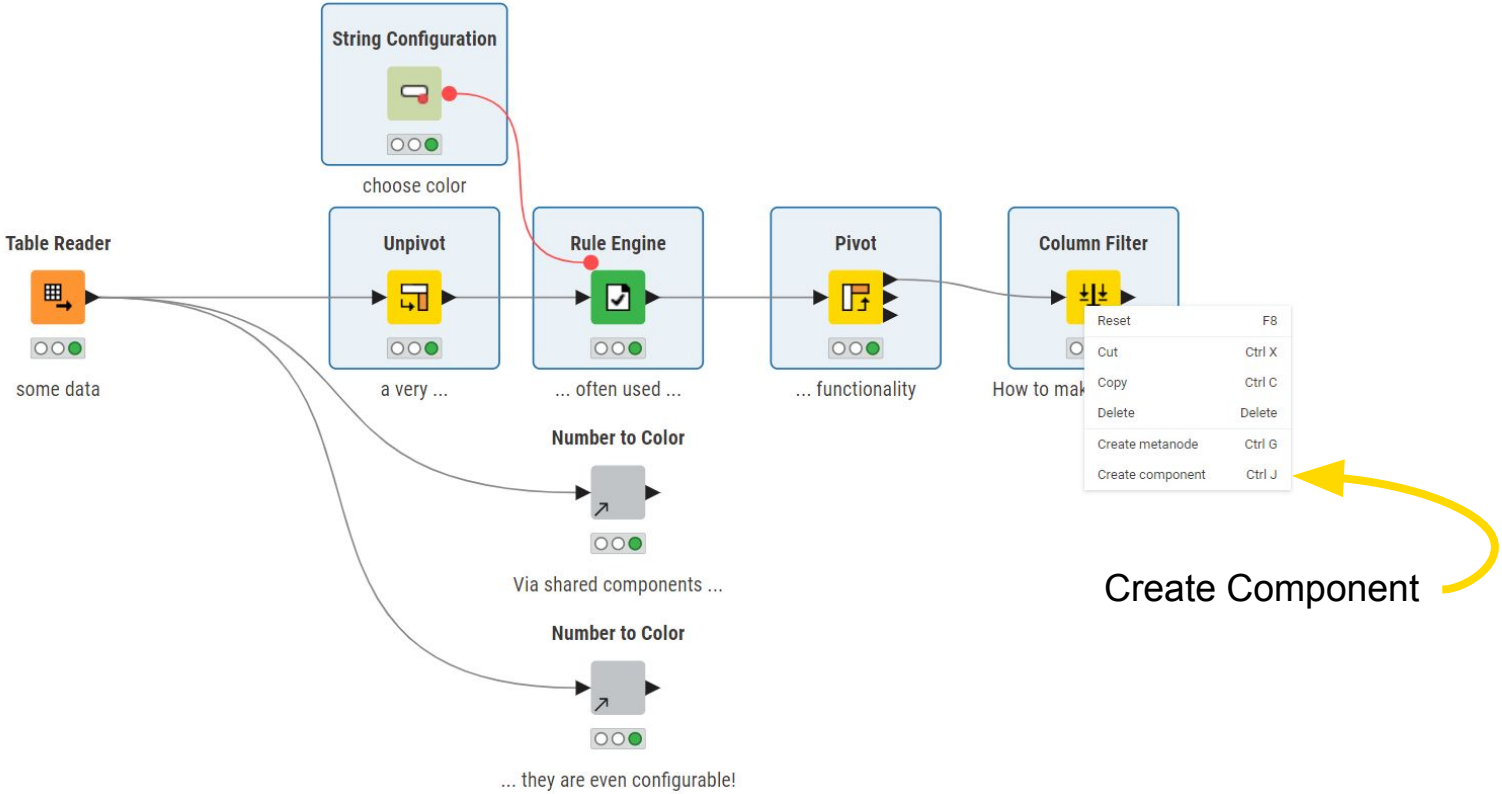
101

Components

215

Extensions

What is a component?



Components



Component

Connect to Instrumentation (Read-only)

Versioned on Jun 13, 2023 1:37 PM



Component

Get Forum Threads

Versioned on Jun 13, 2023 1:37 PM



Component

Get Event Attendees

Draft only Latest edits on Feb 8, 2024 1:38 PM



Component

DatA App Header

Draft only Latest edits on Jul 14, 2023 12:15 PM



Component

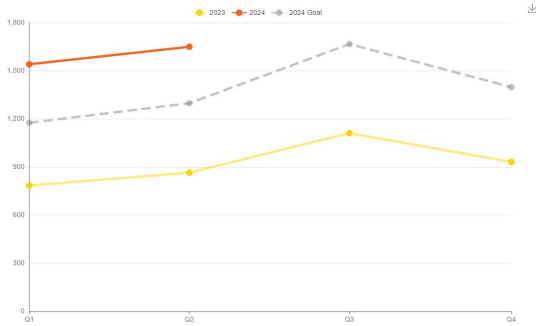
DB Extract Datetime Fields

Versioned on Jun 13, 2023 1:37 PM

Knumbers Components

Community Usage, Awareness, Leads Quarterly LMS Certified Users

Count of unique users with the exam_at date between the start- and the enddate.



Component

KNumbers Reader

Versioned on Feb 7, 2024 6:52 PM

Connect to Instrumentation
(Read-only)



KNumbers Reader

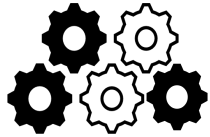


KNumbers data app

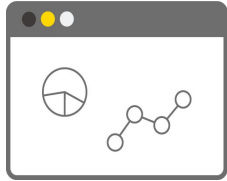


forum_posts

Automation
Powerhouse



Standardized
Reporting



Interactive
Analysis via
DatApps



Sharing best
practice with
components

