

How KNIME uses KNIME

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Agenda

DatA - Team

Today's Use Case - "KNumbers"

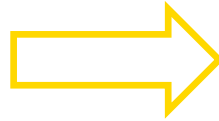
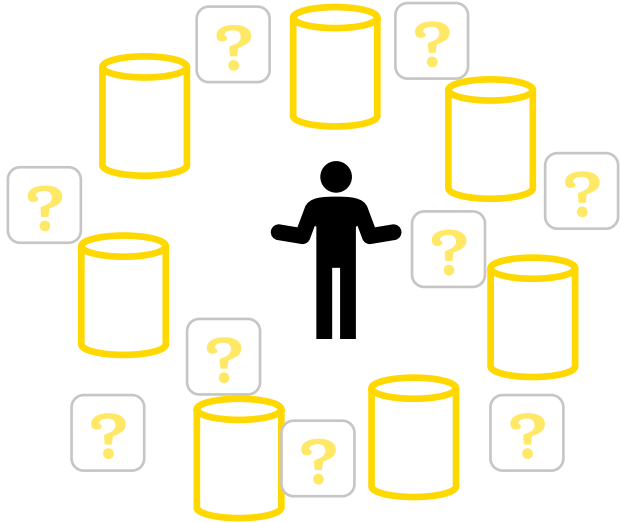
Standardized Reporting

Self-Service Analytics

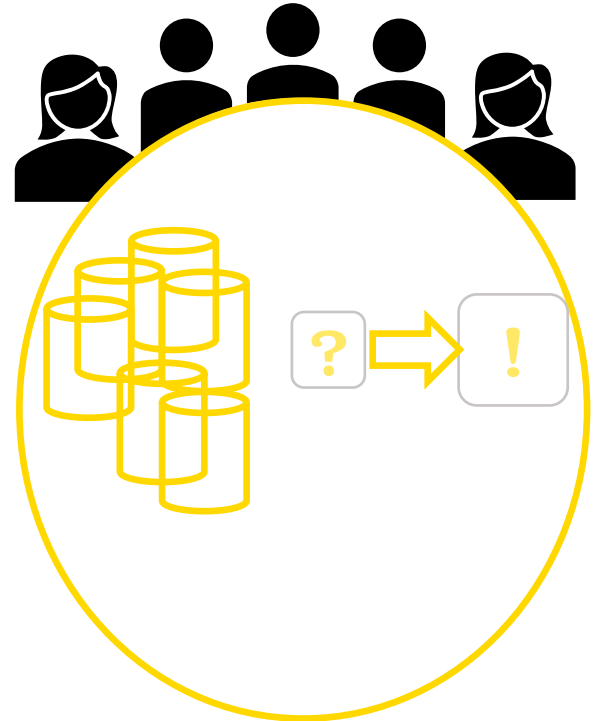
Enabling Others

Challenges

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

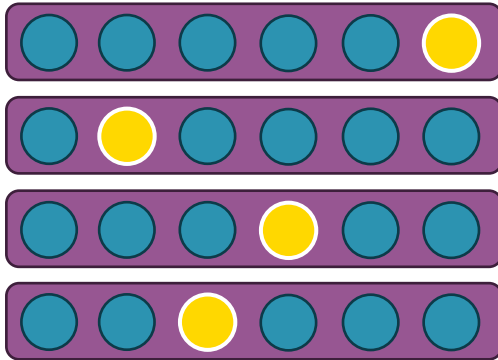


We need a Data excellence team



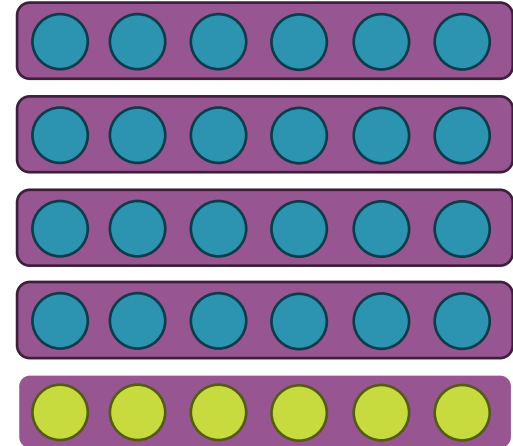
Data Team Setup - Team based vs. practice based

Team Based



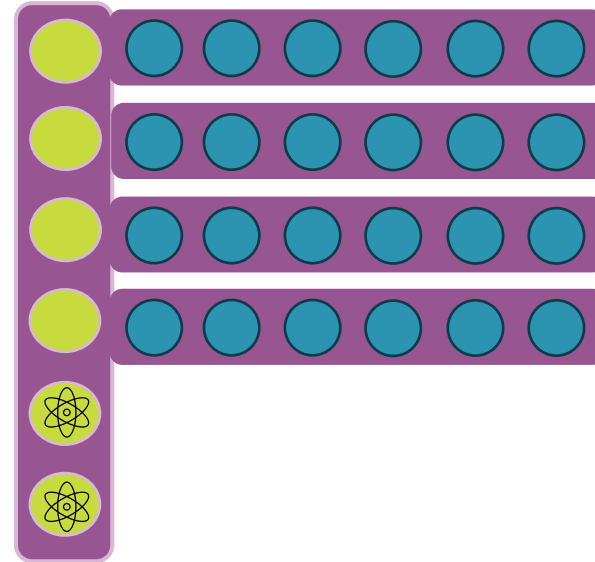
- Finance Analyst
- Revenue Analyst
- HR Analyst
- Marketing Analyst

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



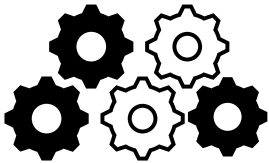
DatA -
Short for Data & Analytics

Using DatA Hub for fluid Data Insights

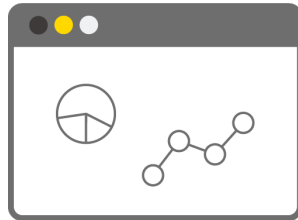


KNIME Business Hub

Automation
Powerhouse



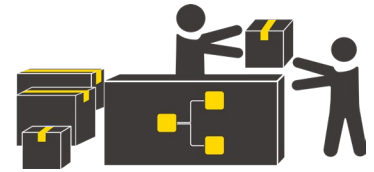
Standardized
Reporting



Interactive Analysis
via DatApps

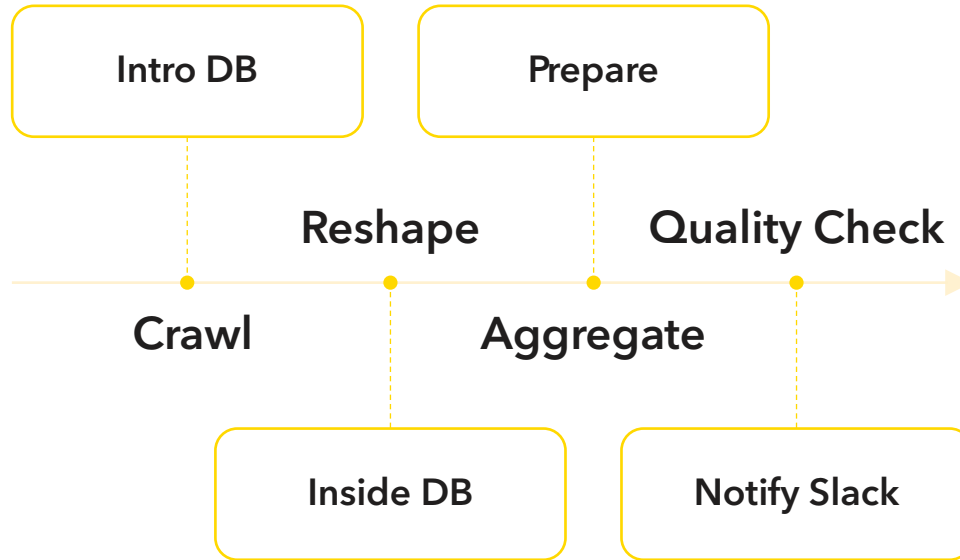


Sharing best
practice with
components



















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

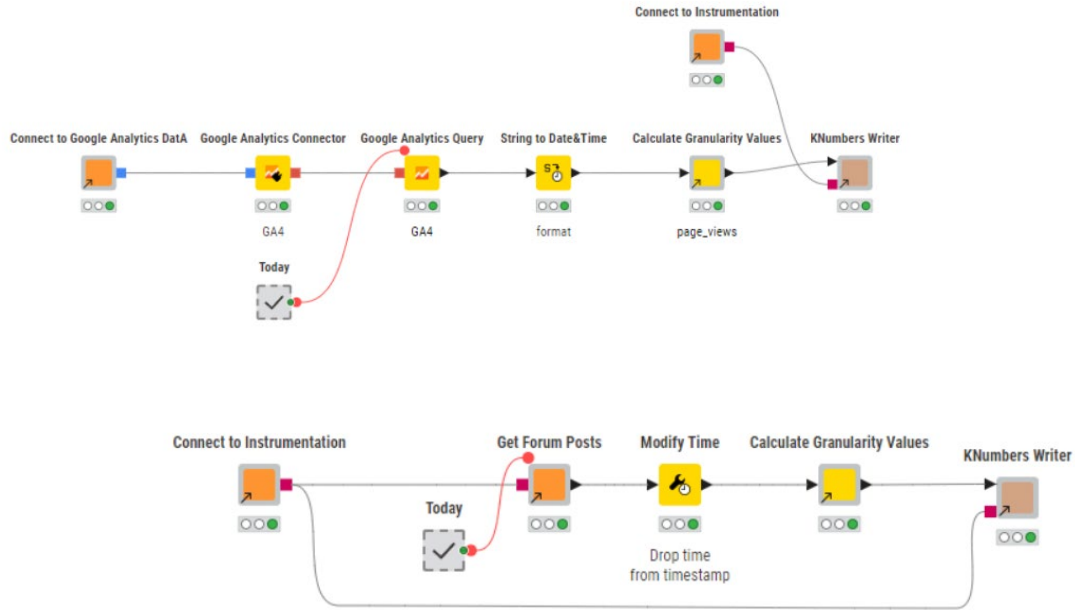
1 Hours

Schedule ends date

Never Date

Sounds interesting? We can share this with you.

KNumbers in Database



Called via Data Ingestion

Agenda

DatA - Team

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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.

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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

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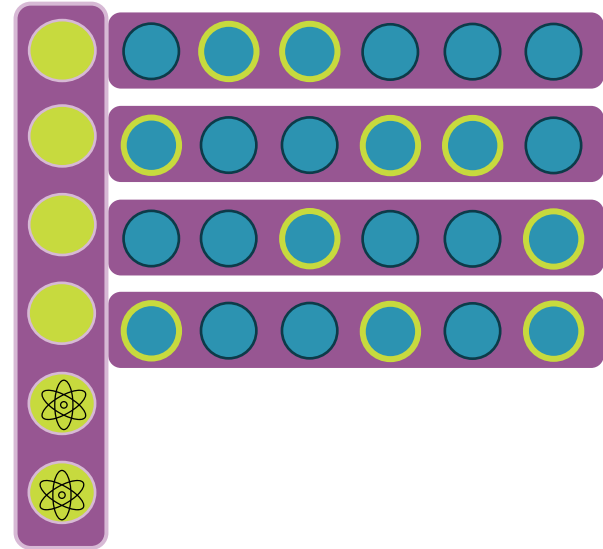
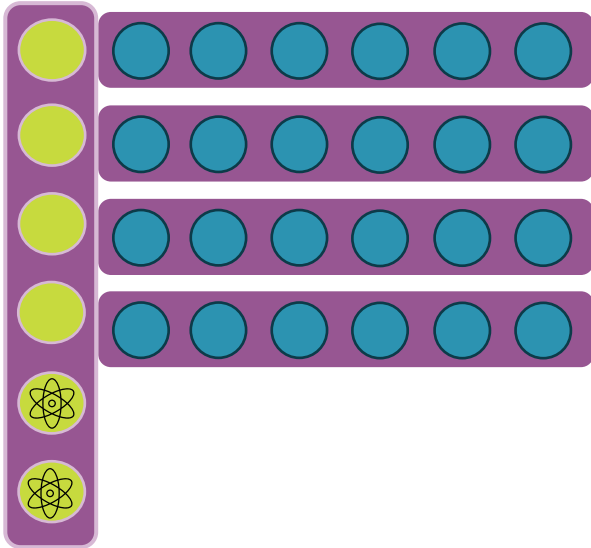
Standardized Reporting

Self-Service Analytics

Enabling Others

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 are enabling.



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

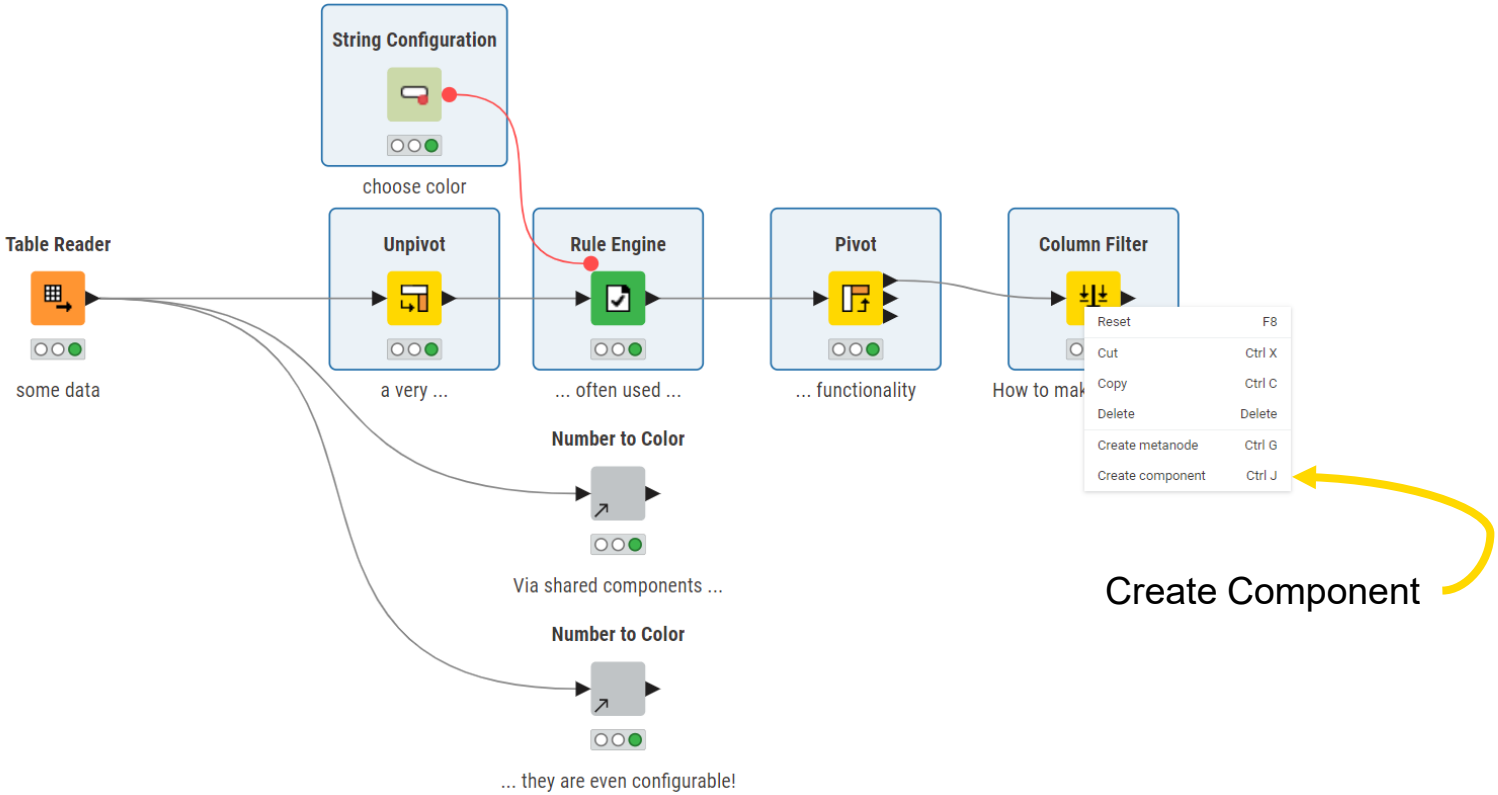
101

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

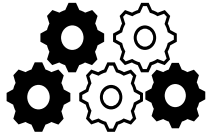
DB Extract Datetime Fields

Versioned on Jun 13, 2023 1:37 PM

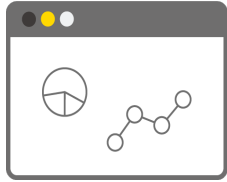


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Sharing best
practice with
components

