



Data Visions

KNIME Data Talks

Digital Industries

Planning Controlling

Data Lab

Dr. Matthias Stephan & David Wroblewski

SIEMENS



Web Analysis 1



Digital Industries



Finance

Online Events

3



Digi Peergroups

4



Components

2



Data Visions City

3



Vor-Ort-Events

2



KNIME Server

4



Coaching

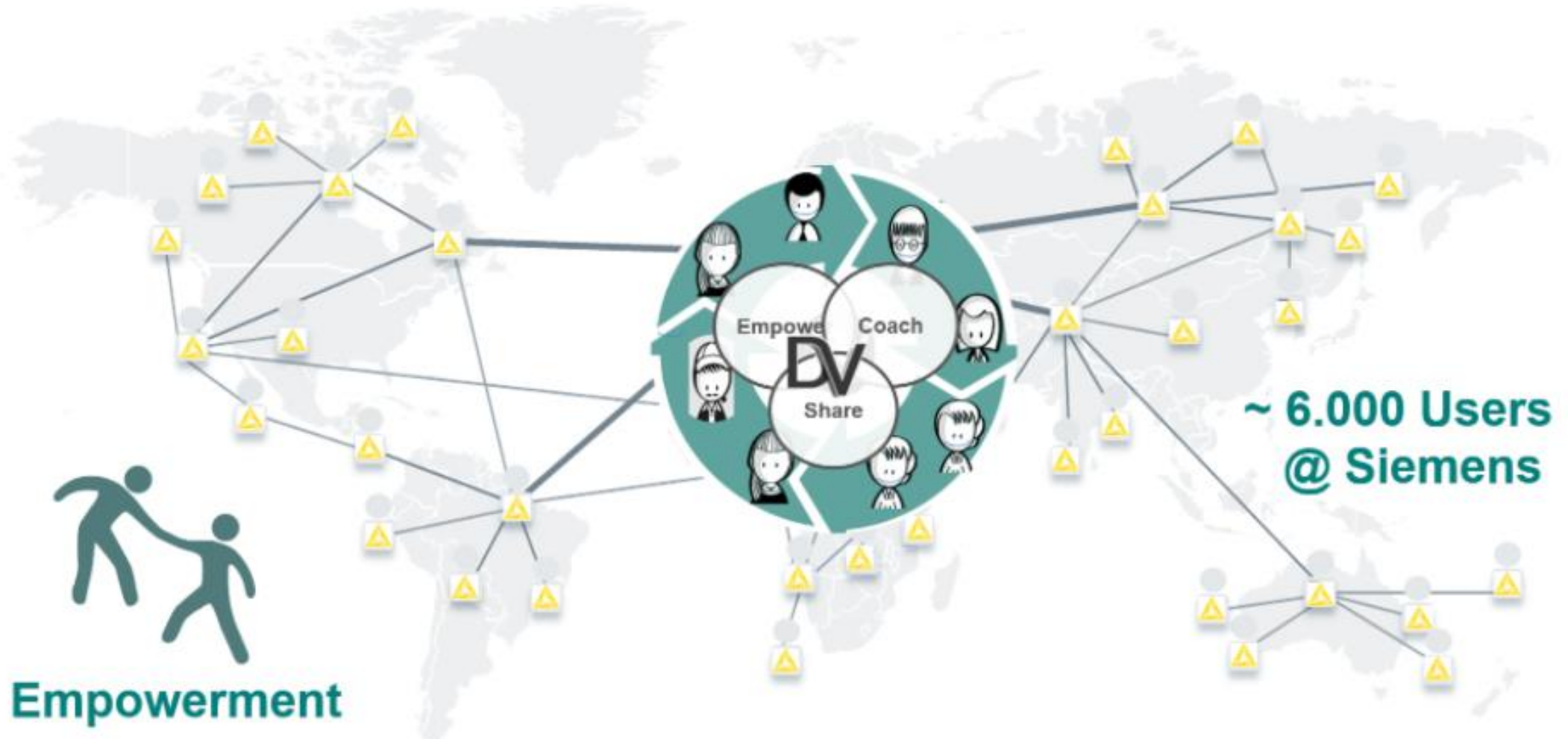
1



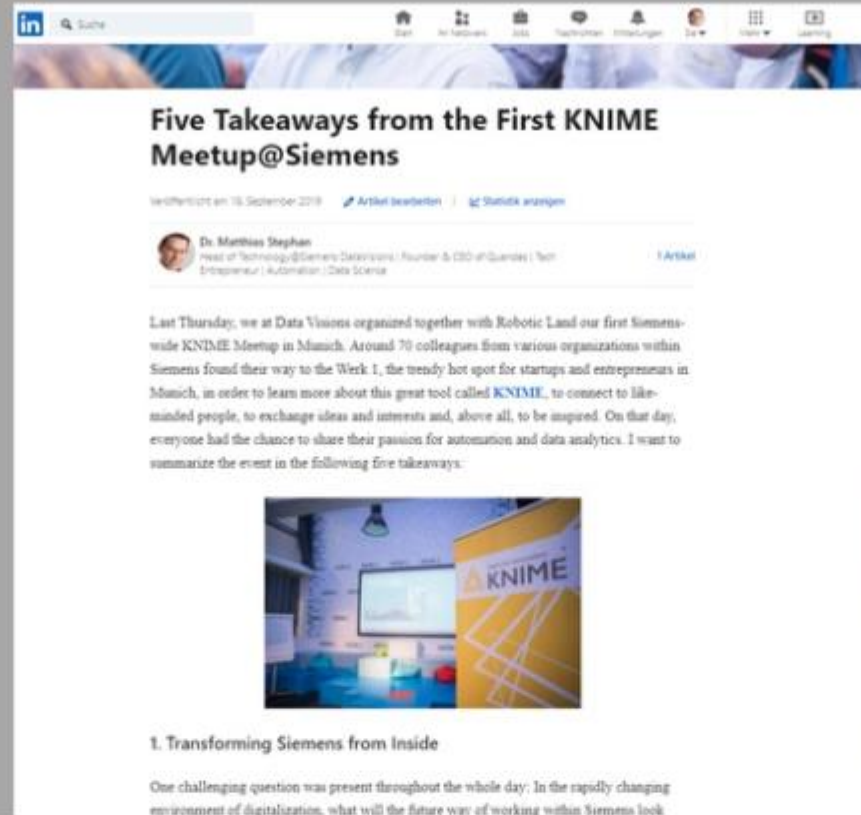
| Community Path

Coaching

Current Decentralized Approach within Siemens





Events On Site



The image shows a screenshot of a LinkedIn article. At the top, there is a navigation bar with the LinkedIn logo and search bar. The article title is "Five Takeaways from the First KNIME Meetup@Siemens". Below the title, it says "Veröffentlicht am 18. September 2019" and "Artikel bearbeiten" and "Statistik anzeigen". The author is "Dr. Matthias Stephan", Head of Technology@Siemens DataVisions, Founder & CEO of Quantix | Tech Entrepreneur | Automation | Data Science. The article text begins: "Last Thursday, we at Data Visions organized together with Robotic Land our first Siemens-wide KNIME Meetup in Munich. Around 70 colleagues from various organizations within Siemens found their way to the Werk 1, the trendy hot spot for startups and entrepreneurs in Munich, in order to learn more about this great tool called KNIME, to connect to like-minded people, to exchange ideas and interests and, above all, to be inspired. On that day, everyone had the chance to share their passion for automation and data analytics. I want to summarize the event in the following five takeaways:" Below the text is a small image of a KNIME presentation slide. The first takeaway is "1. Transforming Siemens from Inside". Below this, it says "One challenging question was present throughout the whole day: In the rapidly changing environment of digitalization, what will the future way of working within Siemens look".



Online Events

Die ersten Schritte  KNIME 

2020-10-14 15:00 GMT+02:00



140 participants



Everything you need to know about the Data Visions City 

2021-07-01 14:00 GMT+02:00 | Teams



First steps  into KNIME  | Part 1

2021-07-20 08:00 GMT+02:00 | MS Teams



First steps  into KNIME  | Part 2

2021-07-22 08:00 GMT+02:00 | MS Teams

PeerGroups



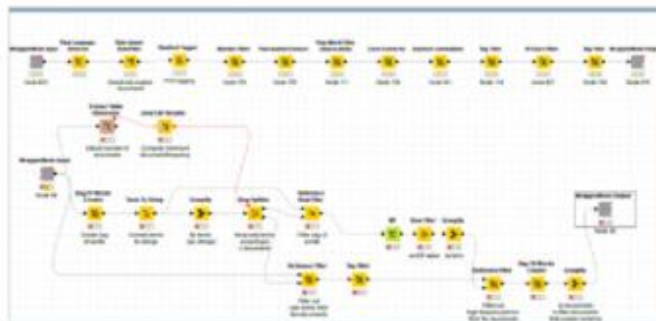
| Technical Path

Demo Case: Early Warning Indicators



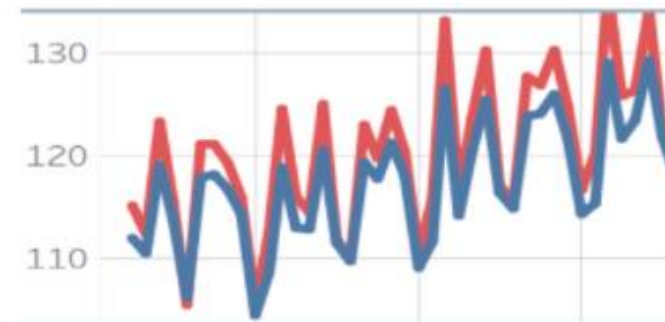
Data Sourcing

- 7 years history of web data
- 2.6 Billions of pages, 220 TiB
- Standardized structure



Text Analysis

- Search for relevant sources
- Identify topic clusters of interest
- Define hypotheses for measuring



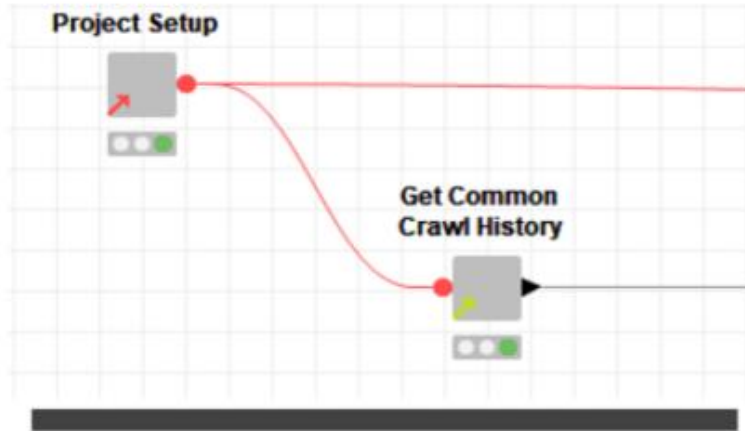
Time Series Analysis

- Generate time series output
- Track events for early warning indication
- Define of knowledge graph



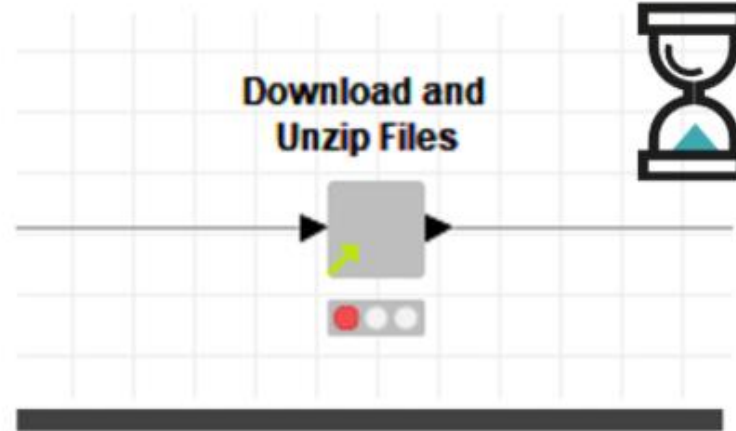
Components

Workflow Deep Dive



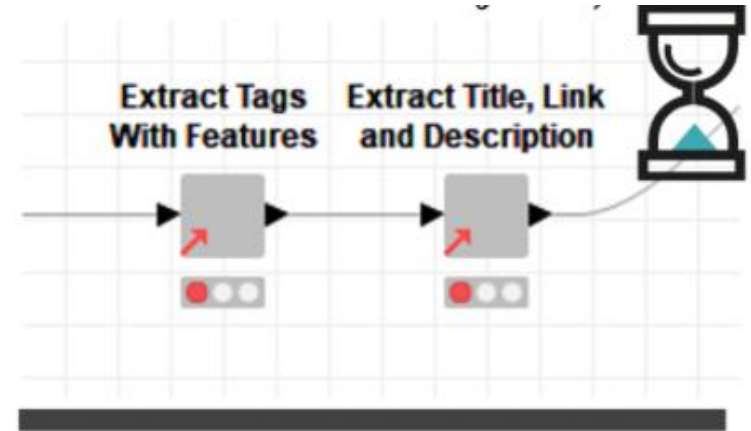
Get History

- Set Url of website
 - Receive historical data (7 years)
 - **Output:** Sub-Urls of website
-



Extract HTML

- Download warc zip files
 - Unzip files and remove header info
 - **Output:** HTML content
-



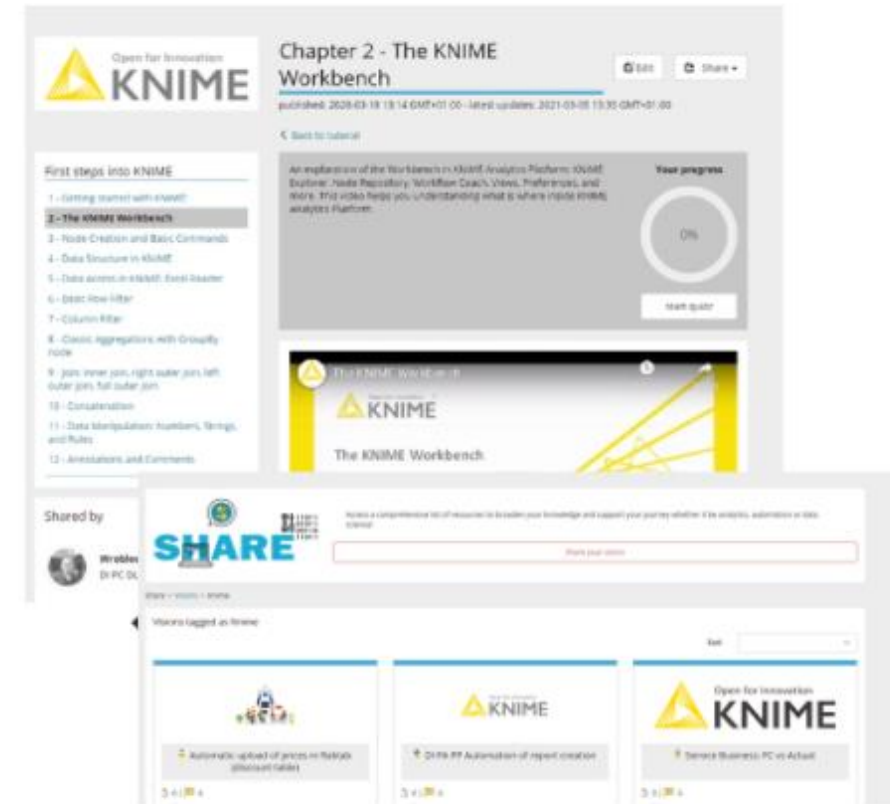
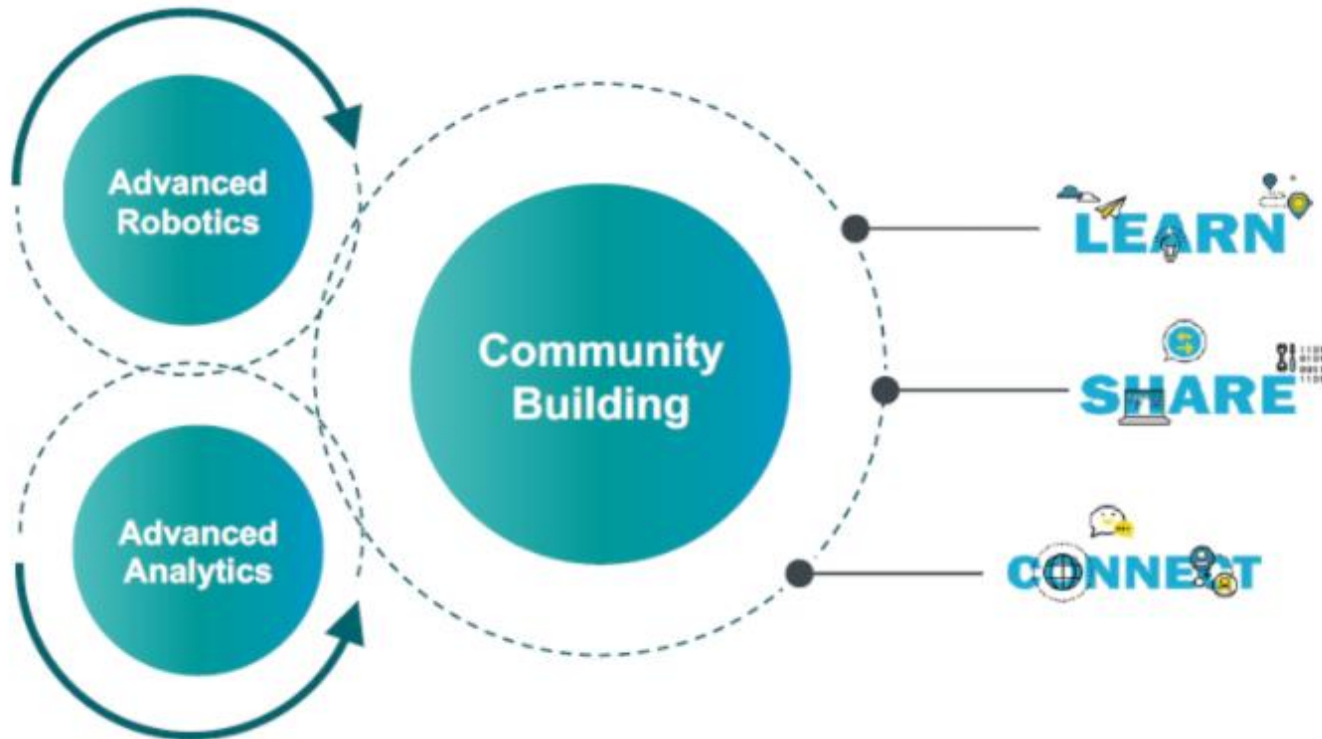
Extract features

- Extract features along xml tree
 - Focus on news and articles
 - **Output:** Headings, Body, Link, Time
-



Data Visions City

A platform where colleagues are able to learn new AI-tools, share their use cases and follow the newest projects/challenges inside the company.



Web Analysis

