



# Guided Data Wrangling

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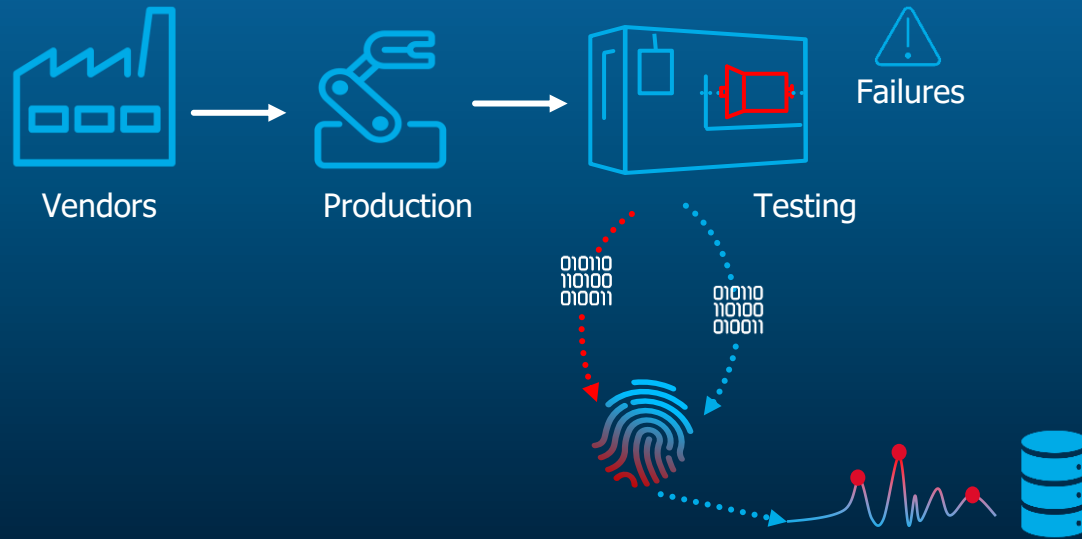


higher impact.

deeper insight.



# Today's production analysis scenario



Stephan, the test engineer, needs to analyze complex product failures to deliver the best quality for our customers.



He starts to check

# Today's challenges

Test data and data from assembly has different structures, has a couple of missing values, and is hard to compare for a set of products.



*I need results fast, to satisfy our customers*

*I am not a data scientist or a programmer*

*I need to provide reliable results*

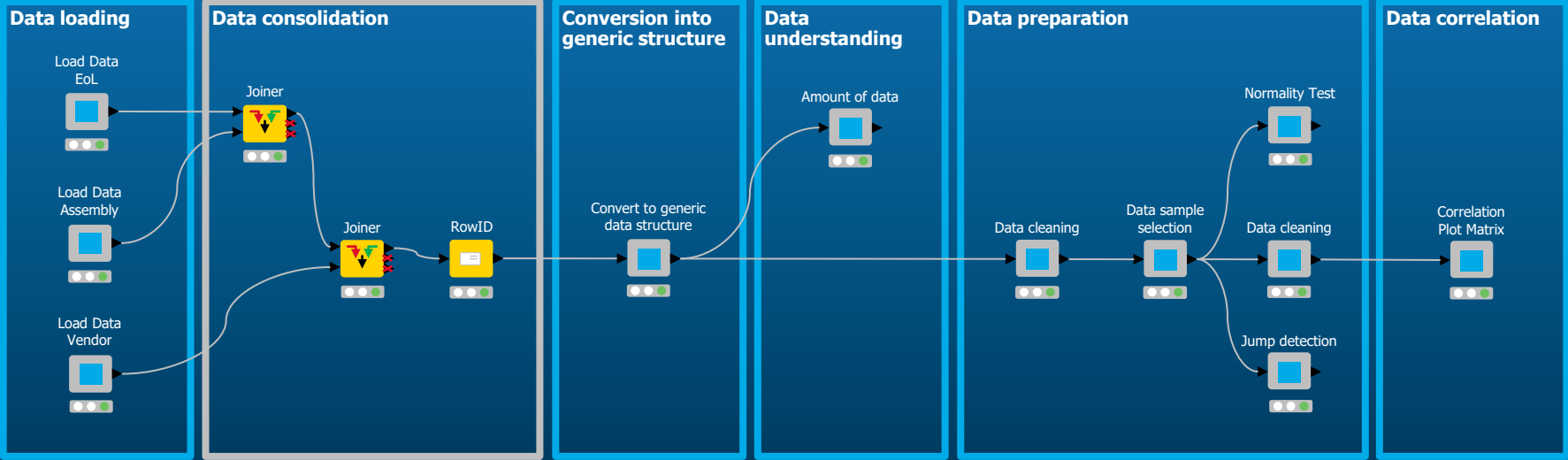
Stephan needs a re-usable data science toolbox that fits for ZF data and is easy to use!





**Self-service advanced analysis**

# Analysis using Guided Data Wrangling



ZF Test Systems Guided Data Wrangling (Product)

Customer Integration



# Benefits for data science beginners



**Manufacturing-**  
specific analyses



**Guidance** and  
inspiration



010110  
110100  
010011

**Standardized**  
data structures



**Tailored**  
visualizations



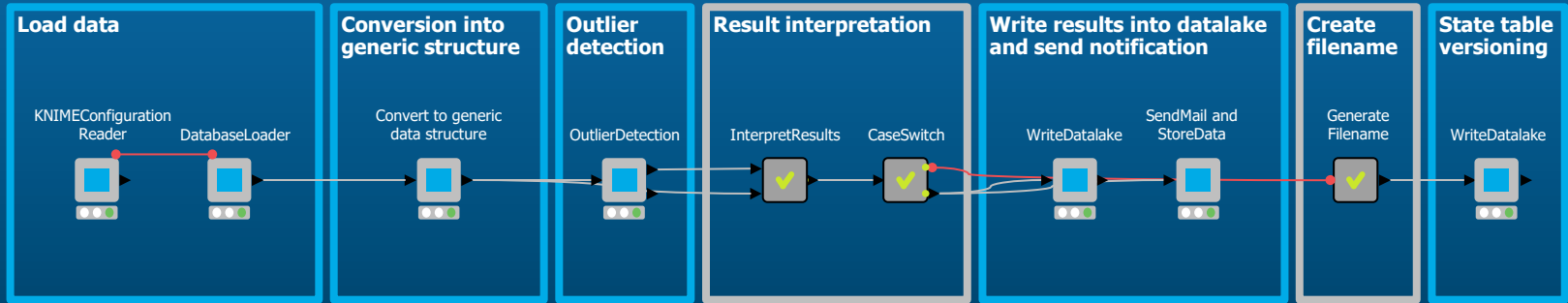
**Reusable**  
components



**Deployable solution**



# Automated detection of unintentional production change



ZF Test Systems Guided Data Wrangling (Product)

Customer Integration

# Productionize self-service analytics for advanced users

**Automatic preparation**  
of python, libraries, extensions



**Platform independent**  
components



**Active Community**



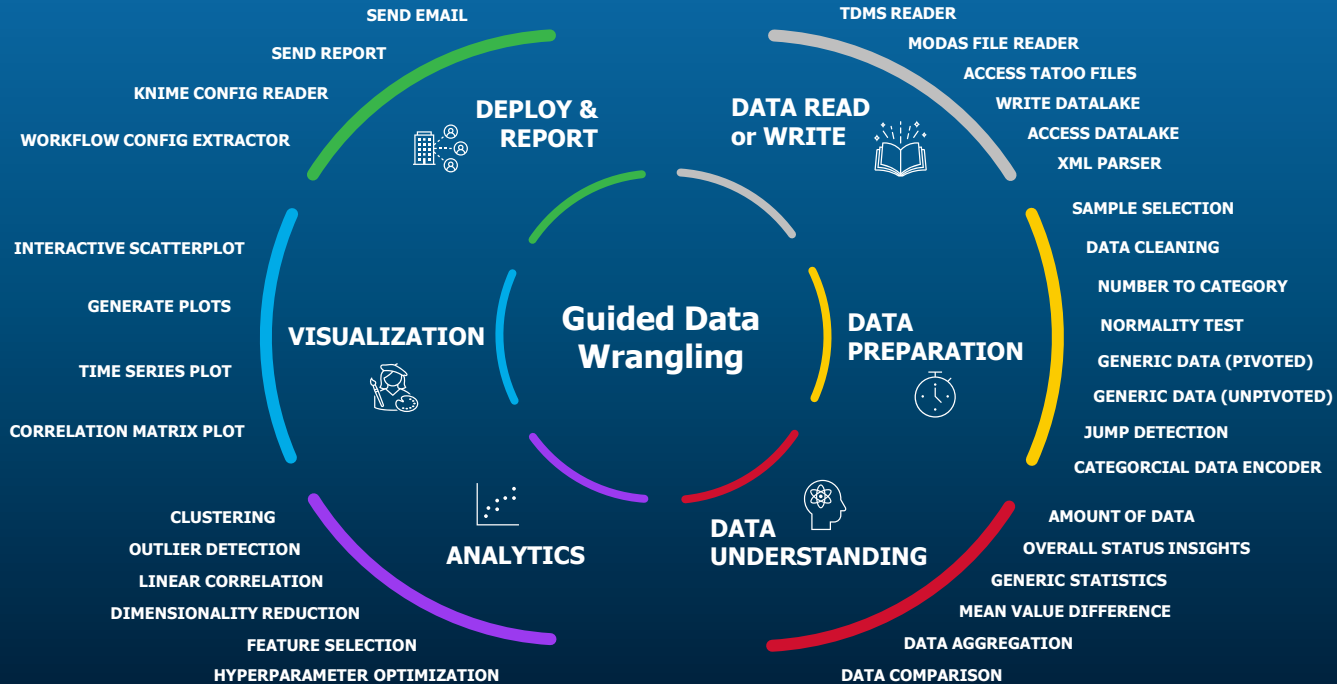
**Tested and documented**  
components

**Intelligent handling**  
of flow variables



**Dynamic configuration**  
for staging

# Guided Data Wrangling component library



# Feedback from market

"KNIME + GDW are the lego bricks to build small church or a huge gothic cathedral"

*Plant Quality Lead in Spain*

"Remarkable and fantastic solution"

*Manager in ZF Digitalization*

"I want to congratulate you to this very elegant solution"

*Quality Engineer in Germany*





# Contact Us!



**ZF Group**



**Thaltegos**

# Thank you

# Guided Data Wrangling

## Your key to unlock production data treasure chest

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