Standards

Operation

Solution

Testing

Planing

Customer Feedback

New Ideas

Datenqualität verbessern zu reduzierten Aufwendungen mittels DIGNA

www.peter-holovics.at
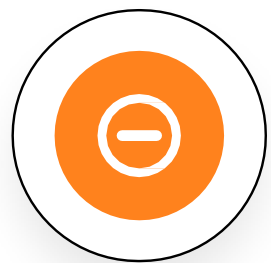
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dext.ai

BENEFITS FROM NEW
PARTNERSHIPS

more agility 4 less money
more dynamic 4 less complexity
more freedom 4 less troubles

ANOMALY DETECTION IN DATA WAREHOUSES

Data quality issues are frequently caused by corrupted data delivery and unaligned changes or releases in source data – often undiscovered until data reports are published.

THE **SOLUTION:**

DIGNA - the automated anomaly detection system

[DIGNA detects anomalies before anyone else does!]

BENEFICTS OF DIGNA

"Artificial intelligence in your data warehouse."

✓ DIGNA uses state-of-the-art machine learning algorithms to detect anomalies.

"Excellent data quality guaranteed by DIGNA."

✓ Unexpected changes in data will cause DIGNA to raise an immediate alert

"A tireless assistant that never sleeps."

✓ Human-based monitoring is expensive, error-prone and infeasible in a large DWH. DIGNA cares for your data day and night
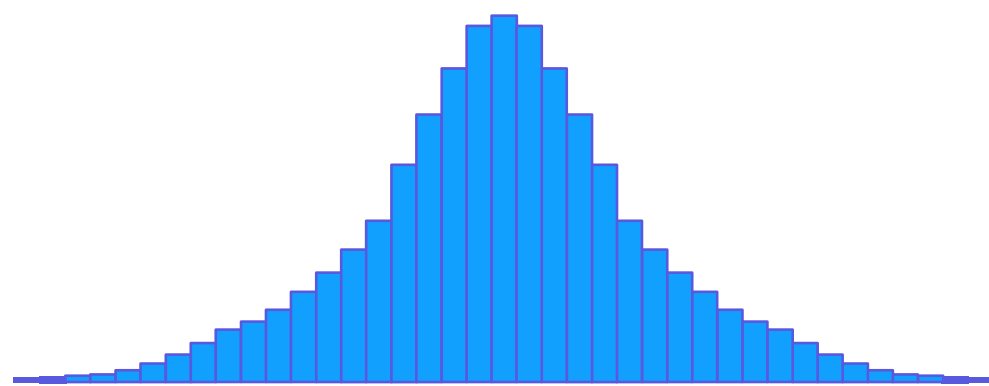
"DIGNA is everywhere."

✓ No matter how big is your data warehouse, DIGNA keeps an eye on every file.

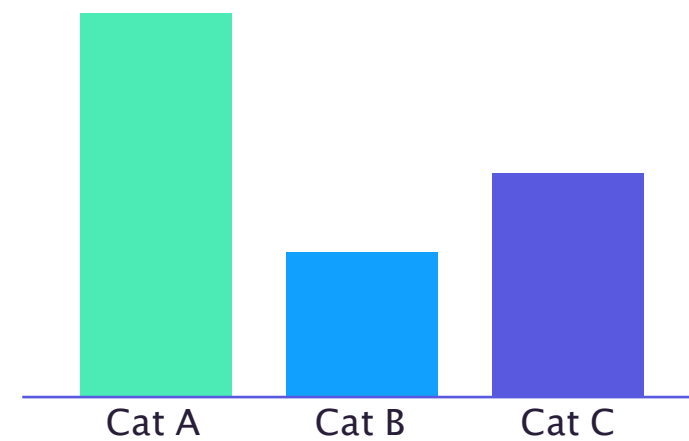DIGNA
Intelligent Data Inspection

HOW DOES DIGNA WORK?

DIGNA generates statistical profiles of historical data to train machine learning models that know the characteristics of your data.

NUMERIC COLUMN

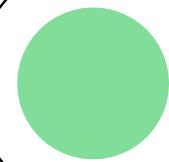Represent the distribution of the column by key statistics

CATEGORICAL COLUMN

Cat A   Cat B   Cat C

Represent the distribution of the column by category counts
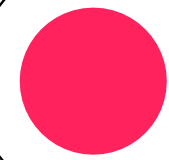
HOW DOES DIGNA WORK?

The automated traffic light system analyses the characteristics of new data deliveries and reacts immediately

Green light: no anomalies detected: the data is as expected, no action required

Yellow light: minimal anomalies: the data is slightly off, but it still is an acceptable range; no immediate action required, but frequent warnings should be analyzed eventually, to make sure no issues have been introduced

Red light: anomalies detected: the observed data differs substantially from the previously learnt patterns; there is a very high chance that something is wrong. Analysis by an expert is advised.

PRODUCT OVERVIEW

FORECAST

- Automated training of advanced machine learning models that identify patterns in the data

- Minimal footprint because only key statistics of the data are analyzed

TRAFFIC LIGHT SYSTEM

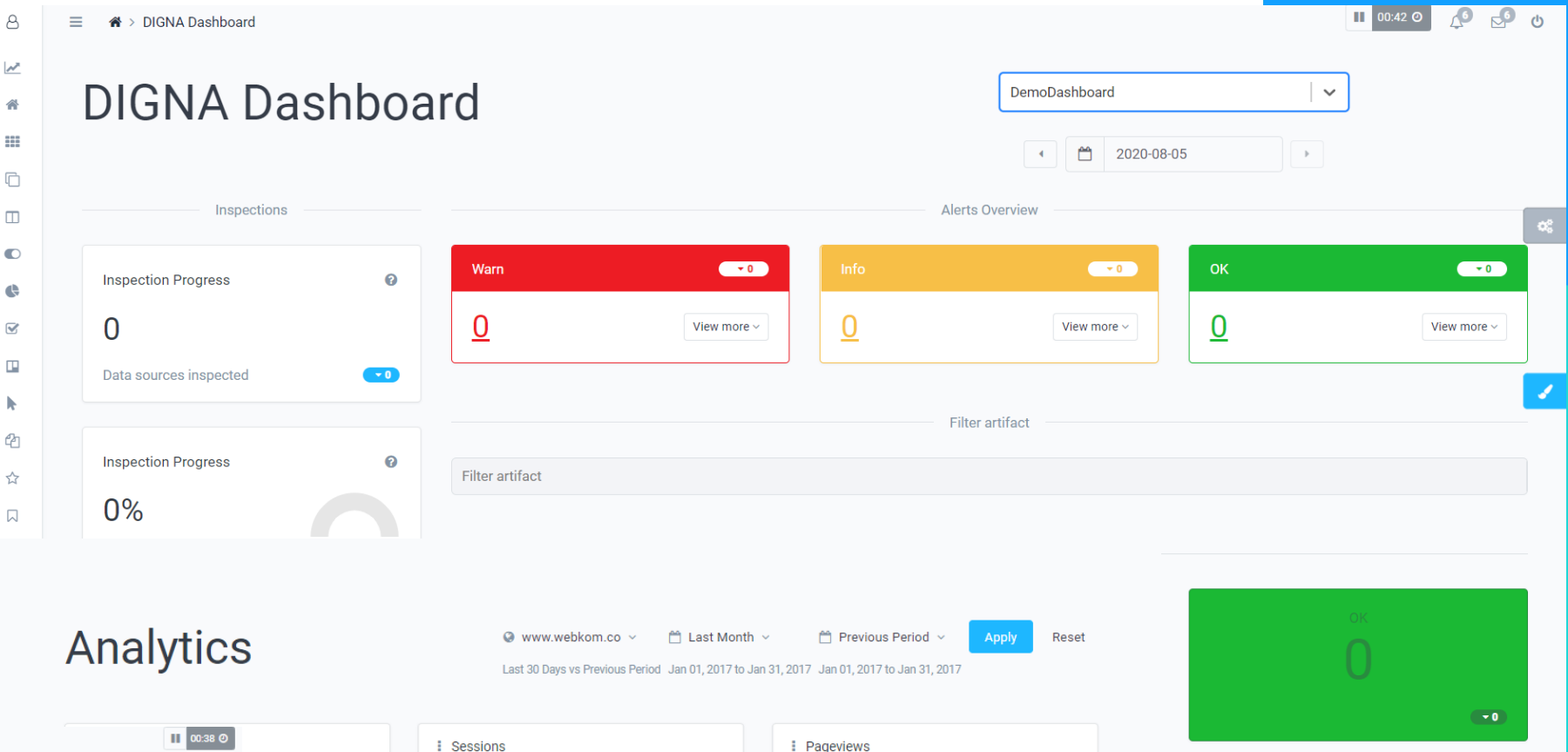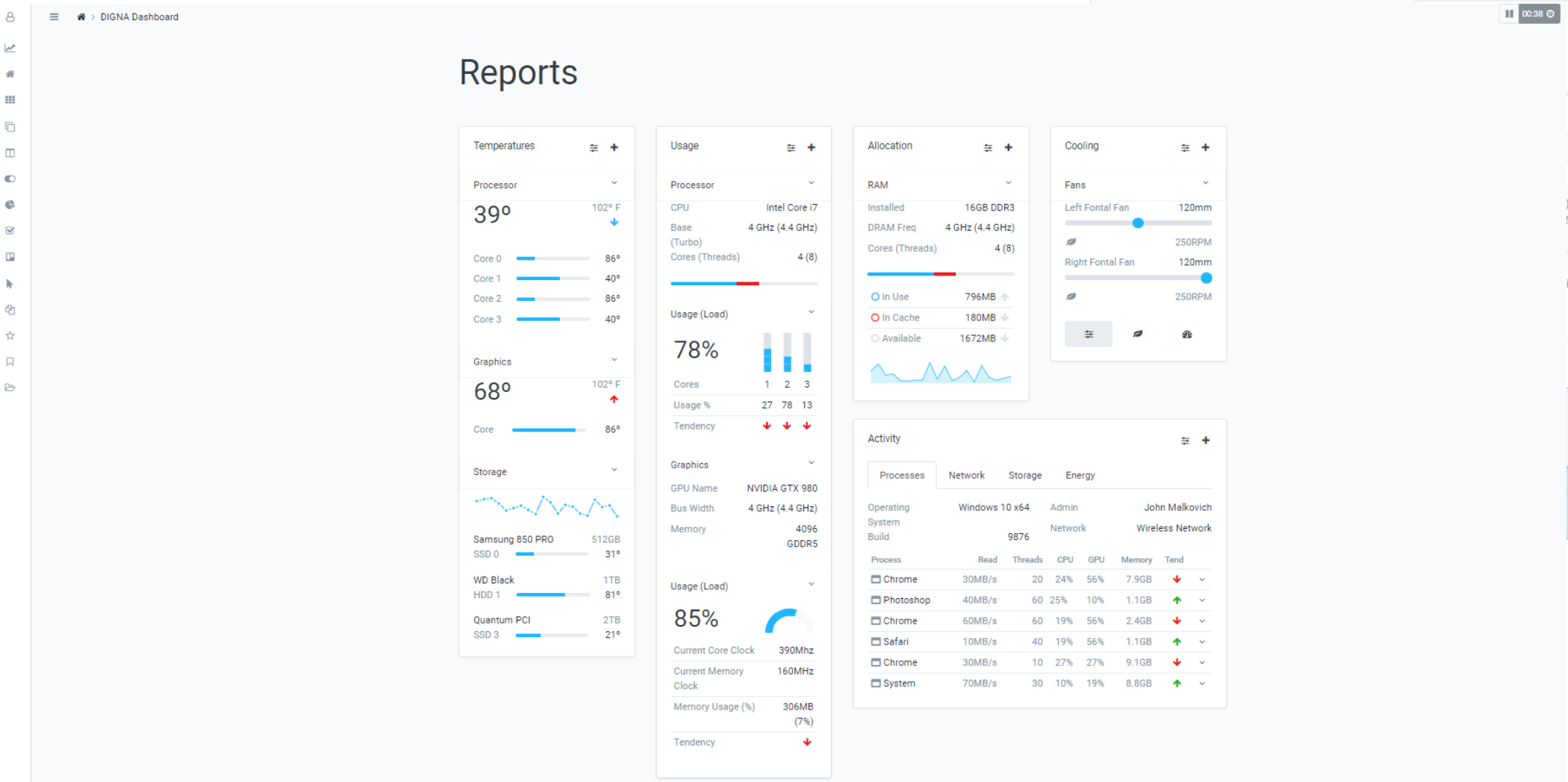- Self-adjusting assessment system for data quality

PLATFORMS

- Supported Data Sources: Teradata, Oracle, MS SQL Server, PostgreSQL, Flat File

- Supported OS: Windows, Linux / Unix, MacOS

USER INTERFACE

- Graphical user interface for ad-hoc analysis

- Command Line Interface for integration into daily workflow

Dashboard - Examples

ARE YOU INTERESTED?

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*DEXT.AI was founded by the Data Warehouse specialist **Marcin Chudeusz** and the prizewinning Machine Learning expert **Danijel Kivaranovic.** Together, they set the goal to develop AI solutions that lead to faster and improved decision making in everyone's Business.*

DIGNA
Intelligent Data Inspection

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