

Deloitte.



IT-meets-TIN 2024

Deloitte GmbH | Risk Management & Data Analytics

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Choose your impact.

Others see facts, we see successes

We inspire our customers and talents all over the world - and maybe you as well soon

457.000

Employees worldwide

Which includes more than

12.000

employees in Germany

Top positions in various rankings

Making an impact that matters seit 1845

1845

US \$ 64,9 billion

Global turnover

Which includes

€ 2,33 billion

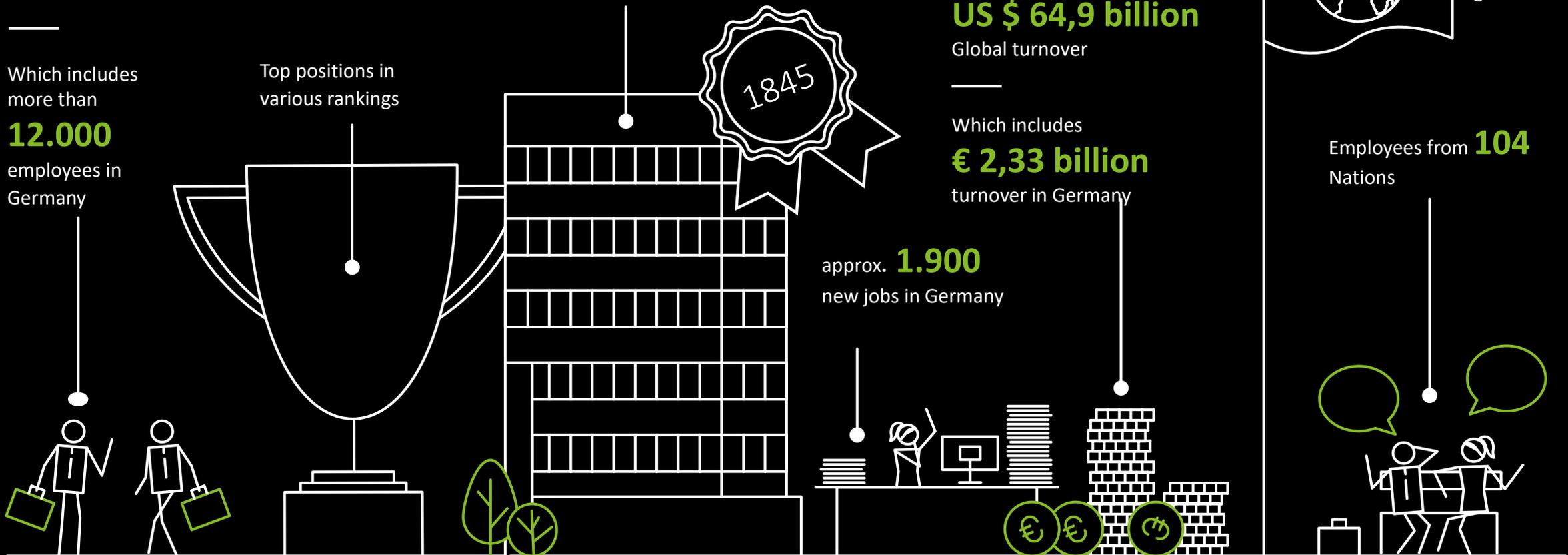
turnover in Germany

approx. **1.900**
new jobs in Germany

150+

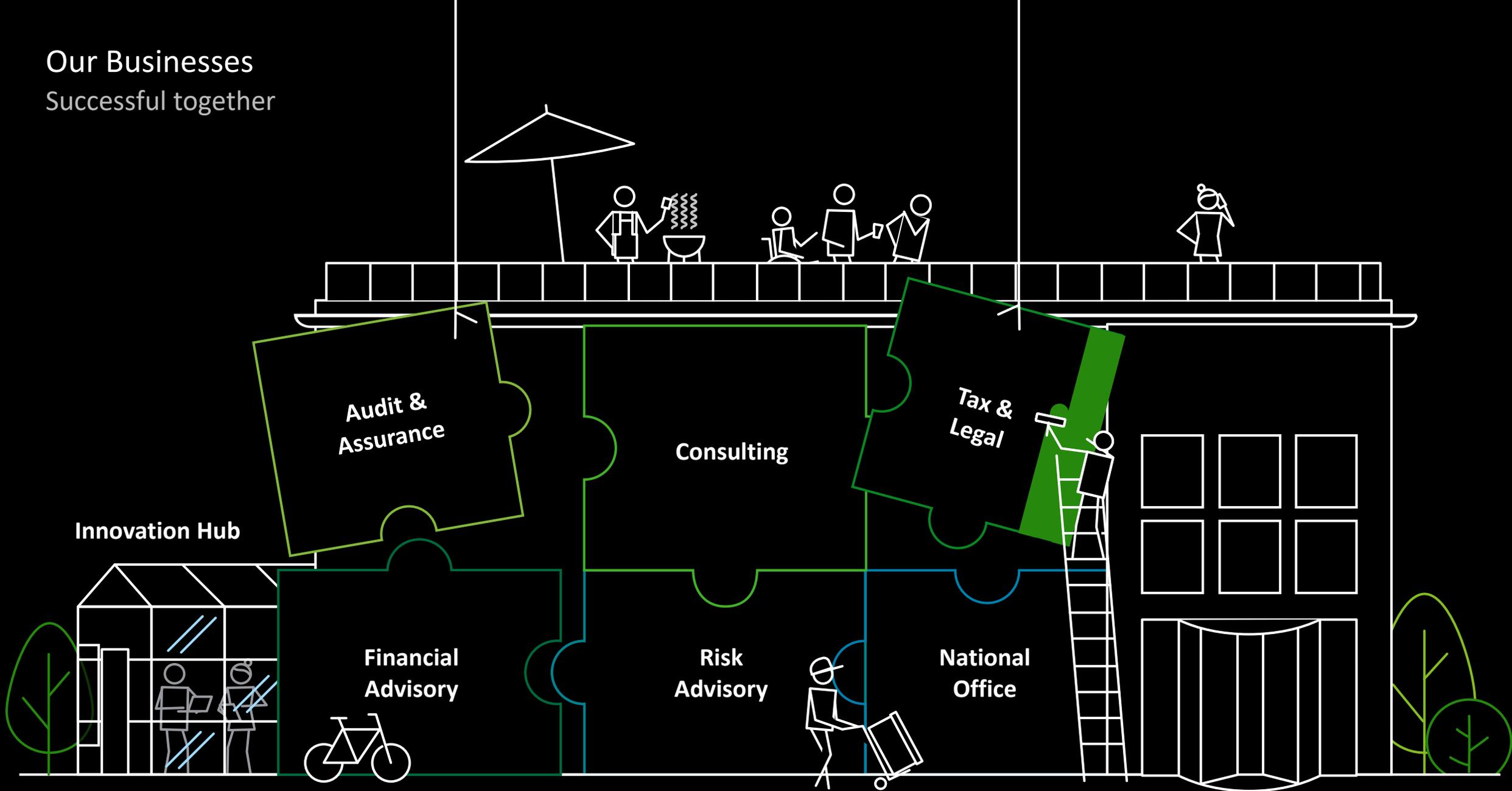
Countries in the global network

Employees from **104**
Nations



Our Businesses

Successful together



Who We Are

As the central risk management function, we collect, assess, and report on company-wide risks. We provide senior management with a detailed overview of the organization's risk landscape to guide strategic decision-making and align risks with our objectives.



Our Mission

We navigate Deloitte with adequate risk appetite and support risk-based decision making.

Protecting and enhancing the Deloitte brand is a core responsibility of all of us. The Enterprise Risk Management team is here to help meet this responsibility through identifying enterprise-wide risks with regard to our business strategy.

Our goal is to not only anticipate potential risks but to develop strategies that proactively mitigate these risks and support risk-based decision making with adequate risk appetite.

Risk Management meets Data Analytics

Why use data analytics for risk management?



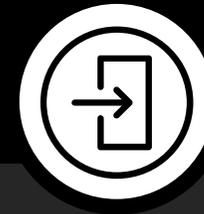
Constantly facing challenges

Risk management is by no doubt the function that is constantly facing challenges



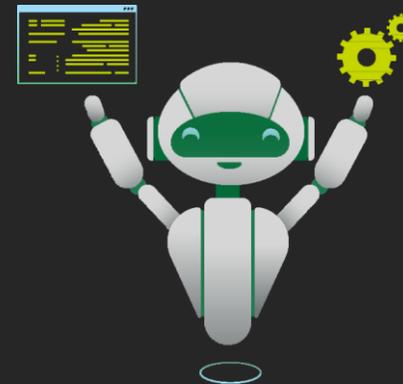
Complexity & Unpredictability

Increasing complexity and unpredictability of risks require a more comprehensive and data-driven approach



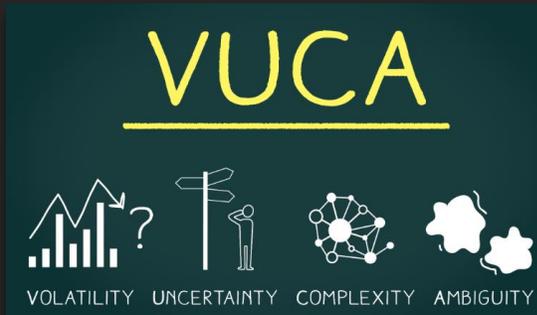
Data Analytics

Data analytics as a transformative tool, empowering organizations to harness the power of data for informed decision-making



Analytics for Risk Management

By leveraging advanced analytics techniques, unlock valuable insights from their vast data repositories, enabling to proactively identify emerging risks, make accurate risk assessments, and develop effective mitigation strategies



Risk and Data Analytics

Target & Services

Our Target



More comprehensive and data-driven approach required as increasing complexity and unpredictability of risks occur.

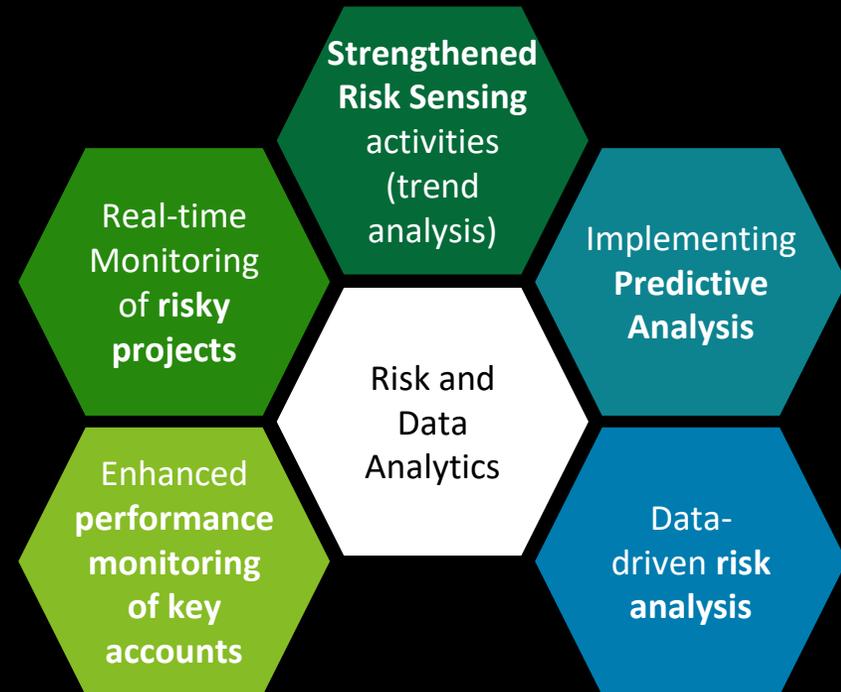


Unlock valuable insights. Enabling and proactively identify emerging risk, make accurate risk assessments and develop effective mitigation strategy.



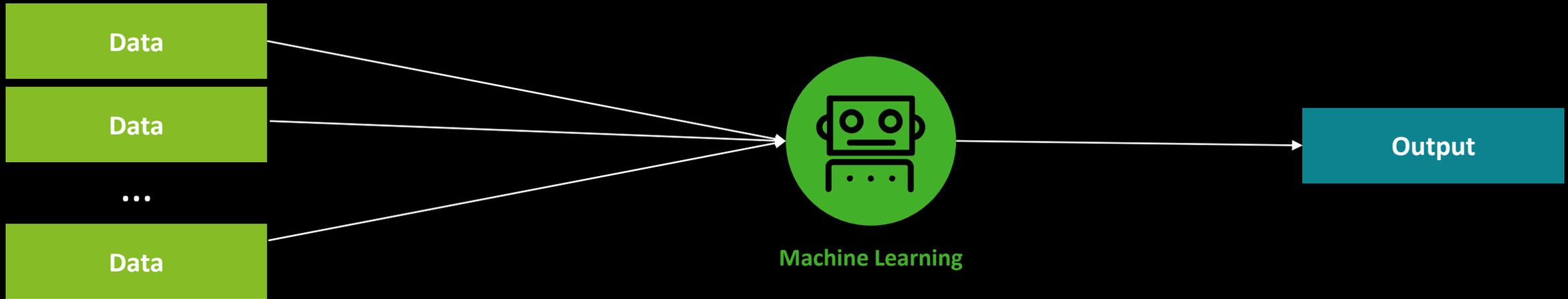
Enhance decision making by data analytics.

Our Services

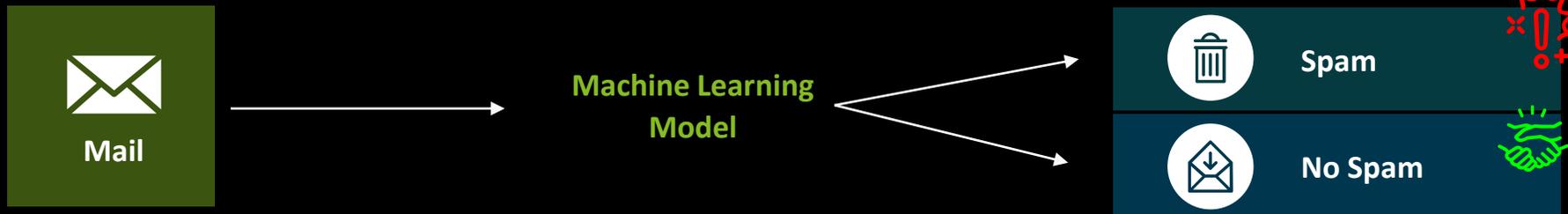


Example of applying Data Analytics

Implementation of Machine Learning



Illustrative example



Example of applying Data Analytics

Implementation of Machine Learning



Collect the data

Gather data from various sources (servers, databases, ...).



Prepare the data

Clean the Data (remove duplicates, handle missing values, preprocess it ...).



Choose a model

Based on the problem type:

Classification: categorize a bunch of email into “spam” or “not spam” categories.

Regression: predict a continuous number (predict the profit on new projects)



Improve the model

If the model doesn't perform well, we can try to improve its accuracy by changing the hyperparameters or increasing the amount of data if possible.



Evaluate the model

Test how well the model works: check its performance by seeing how accurately it makes predictions or decisions with new, unseen data



Train a model

Use the training dataset to feed the chosen model and allow it to learn the patterns and relationships within the data.

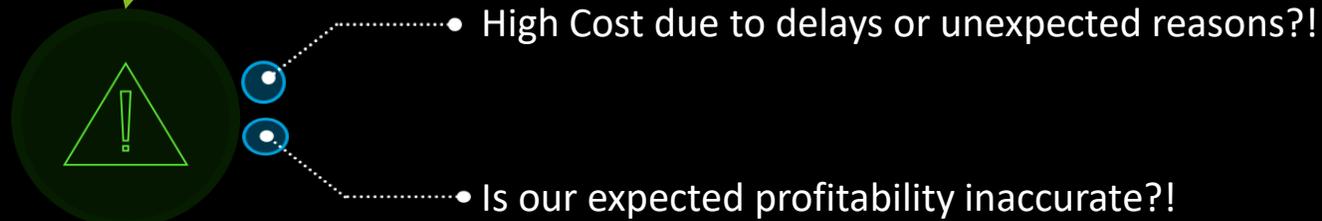
Business Use Case: Applying Data Analytics

Problem Analysis

Illustrative Example

Project A :

Expected Profitability 40%

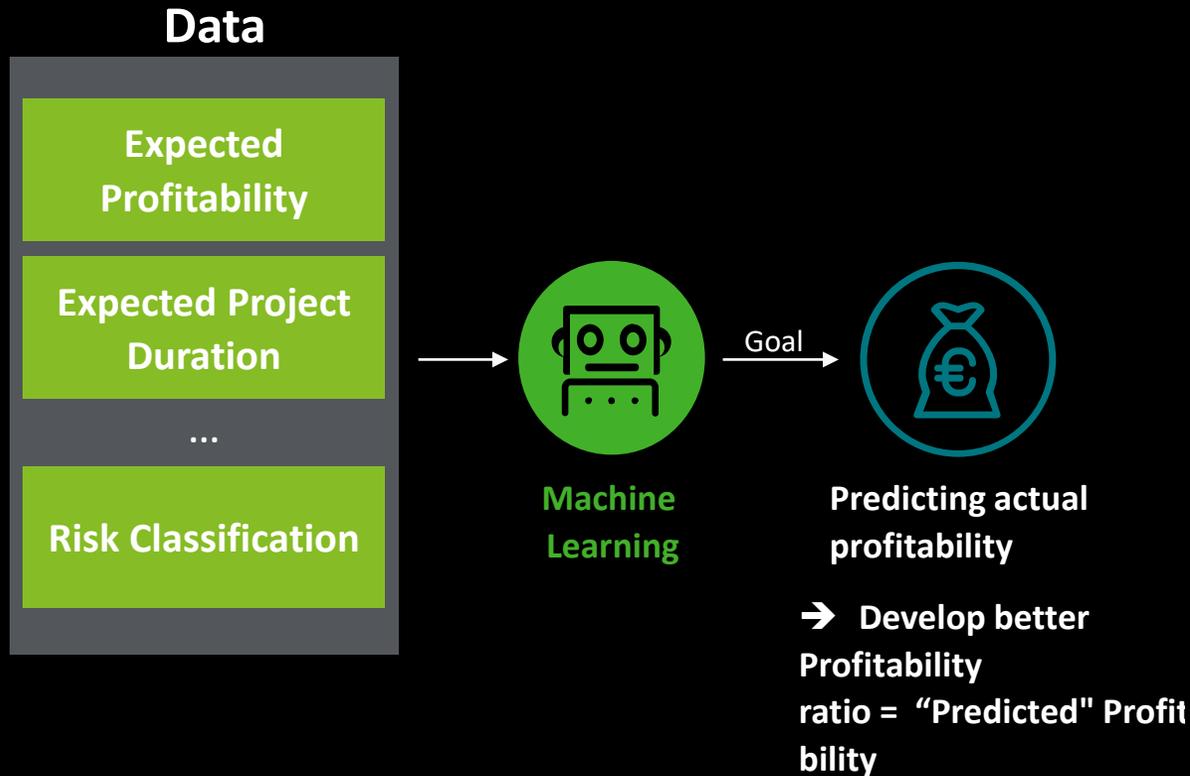


Root cause analysis !

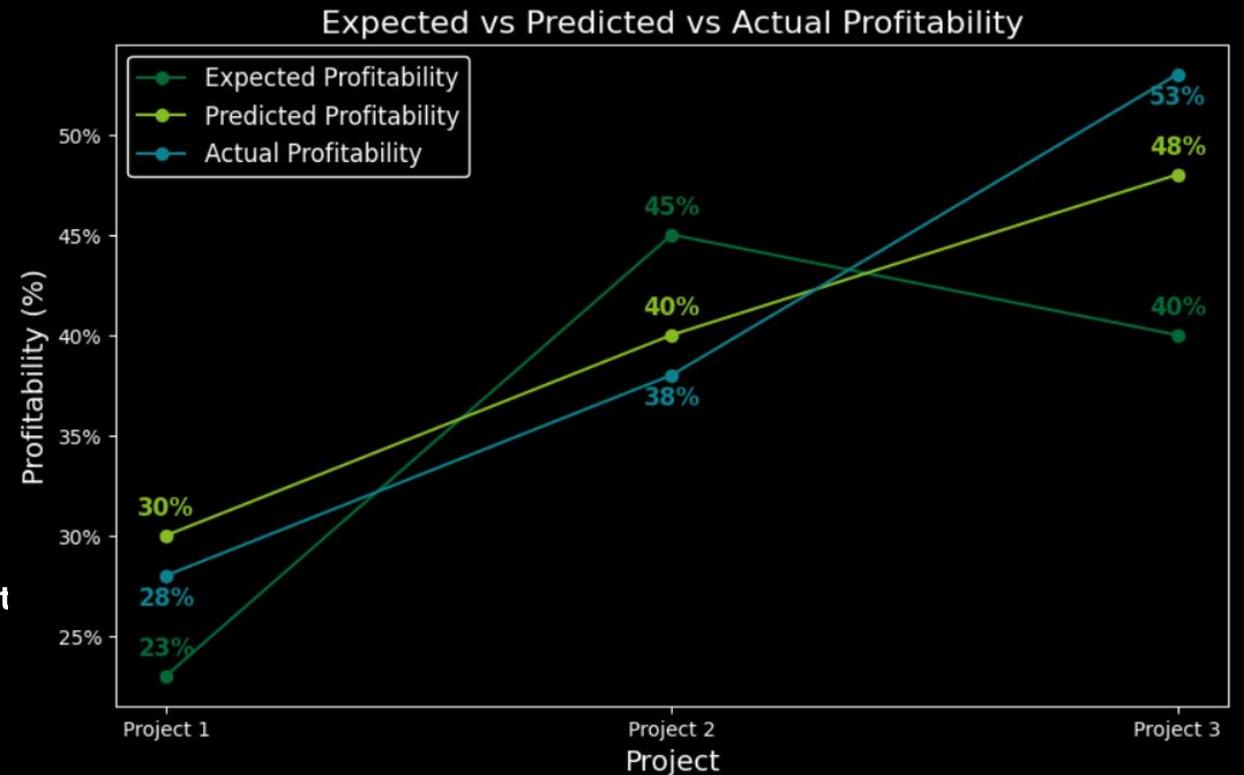
Lower profitability

Business Use Case: Applying Data Analytics

Predicting Actual Profitability of Projects

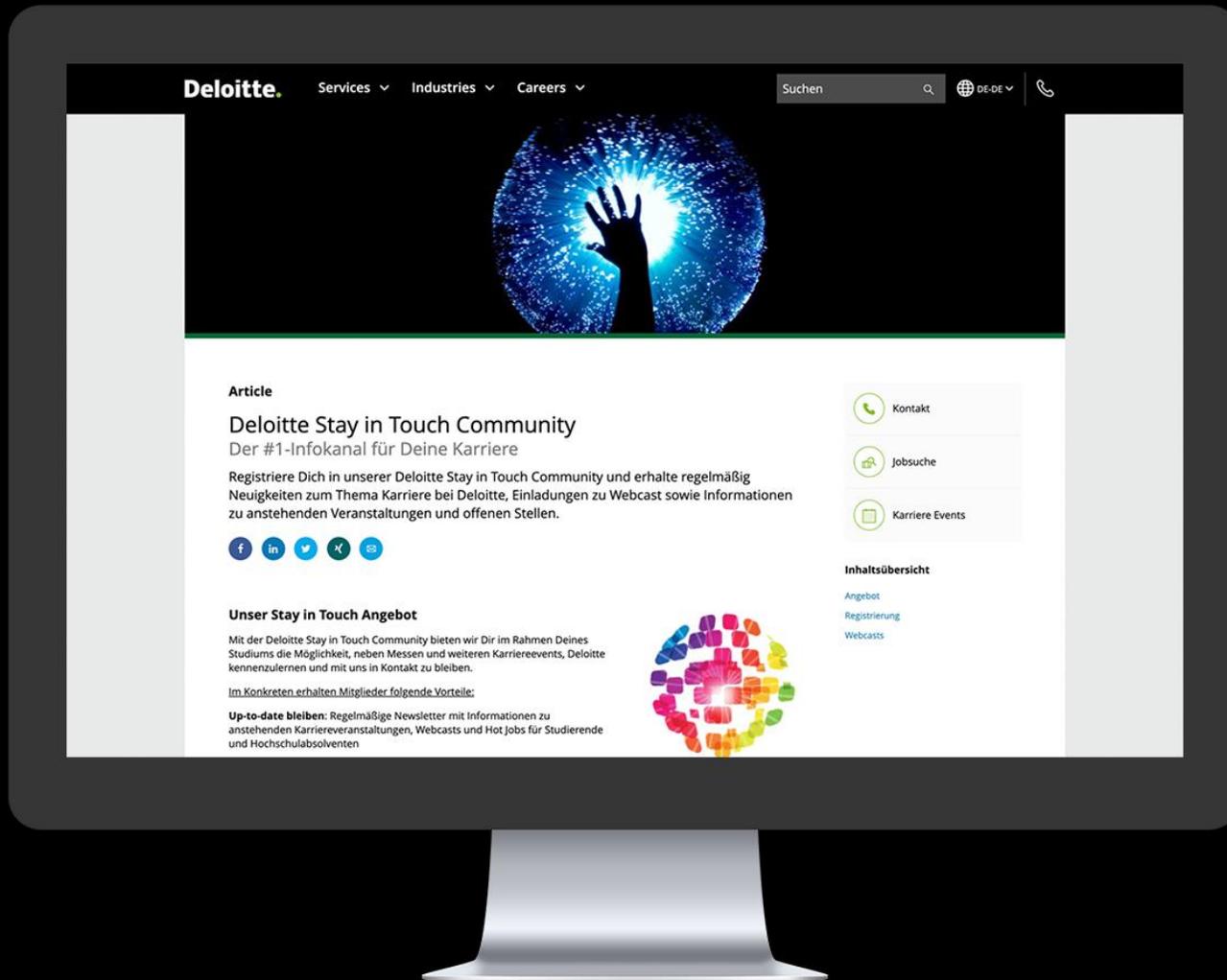


Illustrative Example



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- Latest career news
- Notes on upcoming career events
- Announcement of our webcasts
- Hot Jobs



Finding the right entry level

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- Application tips from our experts

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