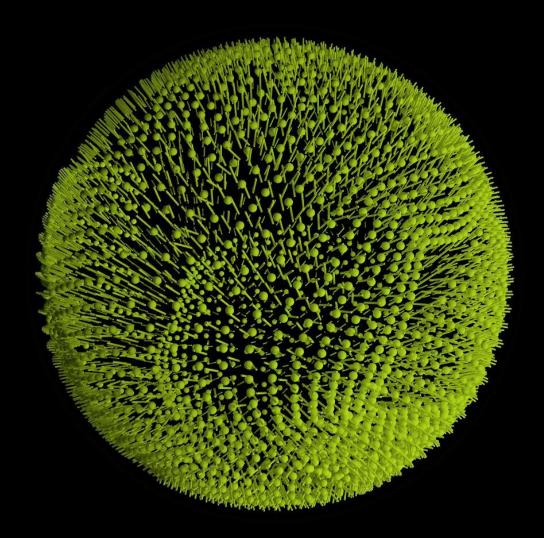# Deloitte.

AI/ML Model Risk Management
Risk Advisory Deloitte

Model checkup and maintenance using Artificial Intelligence or Machine Learning technologies

In Risk Advisory, we work in progressive industries such as MRM (Model Risk Management) and try to evaluate and mitigate the risks created by models that utilize AI/ML technologies.

Contact us to find out how to obtain AI/ML MRM services for your company.

What are the risks associated with models using Artificial Intelligence and Machine Learning?

Artificial intelligence can simplify and refine business processes in many aspects, but due to the complexity of the algorithms used, the methodology used is often unclear. Consequently, black boxes may often appear, posing significant risks for the owners of these models that need to be mitigated.

(!) Model risks

- Inappropriate structure of input, test or validation data
- Poorly chosen algorithms distorting the model output and reducing its quality
- Definition of metrics and their thresholds, which can be used to indicate risks arising from using the model

(!) Techonolgical risks

- External open-source platforms can compromise security and their irregular maintenance can disrupt functionality
- Use of outdated software makes it impossible to work with dynamic datasets and does not allow to use their full potential

(!) Staffing risks

- Poor interpretation of outputs and their subsequent presentation can lead to wrong business decisions.
- Dependence on a small number of in-house trained professionals

(!) Regulatory risks

- Constantly increasing pressure to regulate the use of artificial intelligence
- Data protection issues (GDPR) caused by automated decision-making and lack of their transparency

End-to-end solution including model maintenance

When implementing artificial intelligence, not only must care be taken to solve the problem statically, but due to the ability of models to learn and constantly alter their parameters based on previous experience, models must be examined and inspected periodically over time. Our product consists not only of the primary risk evaluation, but also workshop containing repeated checking and future calibration is included.

Why work with us?

Experienced professionals

You will work with a carefully selected team of experts with the right mix of skills and in-depth knowledge of the world of AI. Deloitte Czech Republic is part of the Deloitte Central Europe cluster, which enables extensive collaboration not only on a regional scale. Our collective experience across sectors and brings balanced knowledge and new perspectives that result in the delivery of high-quality service.

Clearly structured solutoin

Our output is a clear report adapted to the specifics of your organization. We provide a managerial summary of the key issues that will be of most interest to your client. The report is naturally structured by topic to allow quick retrieval of any item. All of this is provided keeping in mind the rules and guidelines that a report must meet to be universally accepted by standards.

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