LTIMindtree

MODEL QUALITY ASSURANCE

Powered by **KenAI**

KenAI provides comprehensive ML Quality Assurance leveraging its in-built functionality KenAI Assure. It provides a pathway to help quantify the quality and performance of the models before deploying them on the cloud data platforms.

KenAI Assure helps data scientists, ML engineers and risk officers to ensure

Data quality across the model lifecycle and ensure zero biasness

Models are sustainable to ensure energy efficiency

Robustness of the model for by comparing train-test performance

Learning efficiency in the model to help improve the model performance

KenAI provides key features to

In-Built Test Cases

Provides 40+ out of the box ML specific test cases to check the data quality, train-test drift, model quality assurance, and sustainability, along with suggestions

Feature Quality Check

Provides a snapshot of insignificant features in the trained model to ensure optimum prediction by the model

Performance Comparison

Pre-defined ML metrics to compare the model's performance on both train and test data

Model Quality Testing

In-built intelligent testing mechanism to check overfitting, underfitting, and fairness in the deployed models

Sustainability Checks

Ensure models are sustainable and energy efficient for a reduced carbon footprint

MRO Dashboard

Overview of model health performance across key KPIs to enable the risk officer with a snapshot summary of the models

Benefits

Simplifies the process of examining the robustness of models

Ensures continuous testing in the models across the ML value chain

Reduces the business and reputational risks with early detection

Improves time to market by 50% with accurate and automated model testing