

ANALYTICFLAIR



AGIL® AnalyticFlair revolutionises data analytics by offering an unparalleled blend approach, incorporating best practices for guided model training and deployment, MLOps and robust AI governance. Whether you're a novice or an experienced data scientist, this tool empowers you with minimal training, unlocking the full potential of data-driven strategies. Dive into a new era of analytics excellence with AGIL® AnalyticFlair.



AUTOMATED DATA PROCESSING

AGIL®AnalyticFlair efficiently transforms raw data into actionable insights through automated data processing from data ingestion to analysis. The tool seamlessly handles data cleansing, eliminating inconsistencies and preparing clean datasets. With advanced feature engineering, AGIL®AnalyticFlair not only selects but also creates the most relevant features, setting the stage for impactful analytics, optimising data for accurate insight.

MODEL TRAINING & EVALUATION

AGIL®AnalyticFlair offers guided approach to ML model creation, incorporated with industry best practices in a step by step, accelerated manner, which balance automation and human decision for ethical trustworthy models creation. With streamlined processes, users can effortlessly train, test, and evaluate models, producing high-quality models with minimal effort. Interactive charts and detailed performance metrics enhance evaluation process. Even freshly graduated data scientists, with basic training, can produce high quality ML models within days while it empowers experienced data scientists to focus on value added activities.

ADVANCED AI GOVERNANCE

At the forefront of responsible AI, AGIL®AnalyticFlair provides advanced AI governance features. Organisations can fine-tune models for high performance, fairness and ethical compliance. The tool facilitates in-depth fairness analysis and interpretability, ensuring transparent AI decision-making.

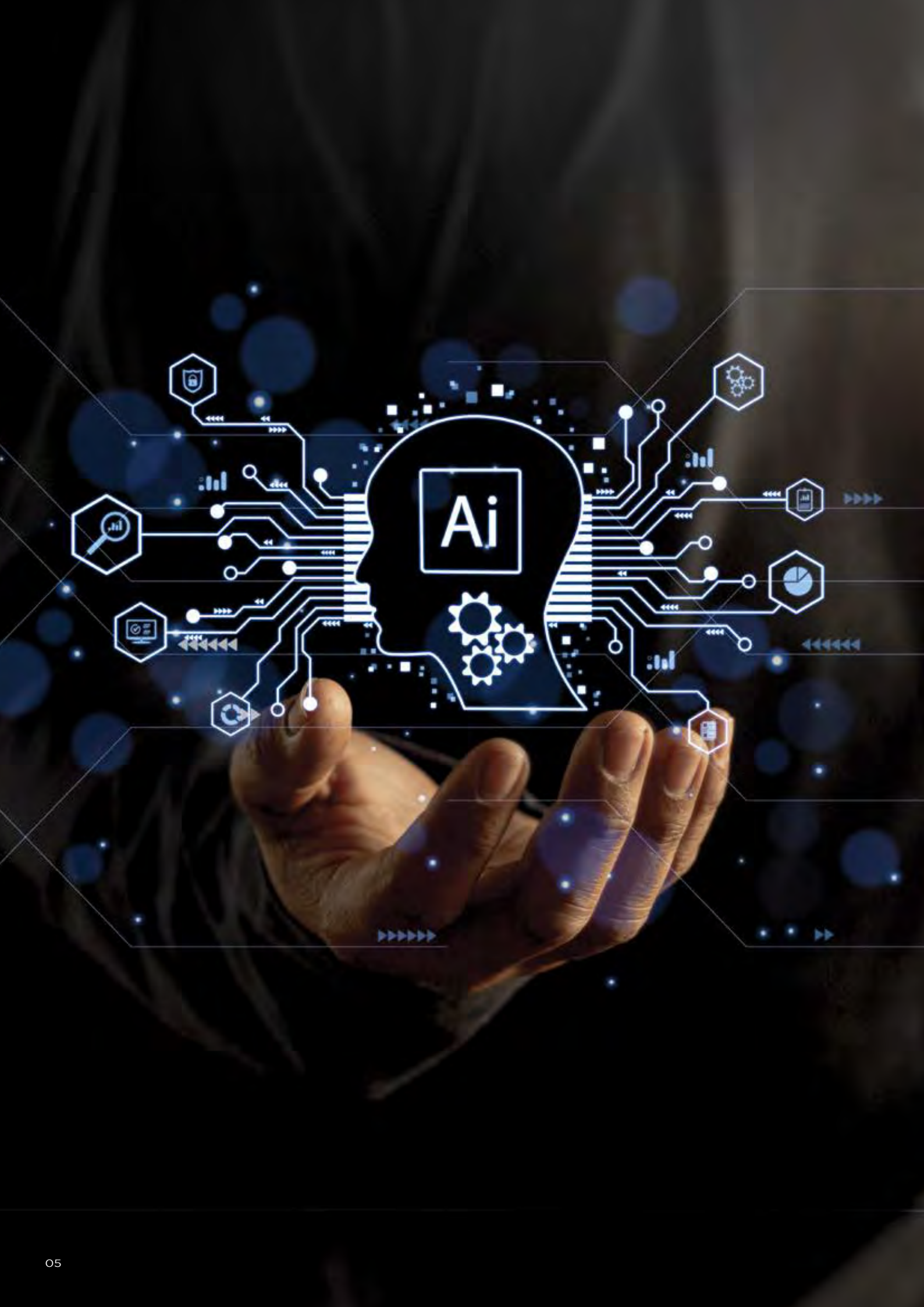
OPERATIONAL EXCELLENCE

AGIL®AnalyticFlair ensures seamless operationalisation of models with features such as batch predictions, comprehensive data quality checks, and ongoing model performance monitoring, including the detection and evaluation of performance deviations and data drift. This continuous monitoring framework enables organisations to maintain the highest standards of analytical performance with minimal maintenance effort.



COMPLIANCE AND INTERGRATION

Robust tool for version control and traceability ensure compliance with regulatory standards and internal governance policies. AGIL®AnalyticFlair offers seamless integration capabilities for deployment in various environments, either on-premise or in the cloud. This flexibility ensures that AGIL®AnalyticFlair is not just a tool but an integral part of your analytical infrastructure.



KEY FEATURES OF AnalyticFlair

- 1. Streamlined, User-Friendly Interface**
 - No-code design for ease of use across all proficiency levels
 - Intuitive navigation and workflow management
- 2. Automated Data Pre-Processing Pipeline**
 - Comprehensive suite of functions for flexible and efficient data cleaning
 - Automated feature engineering for optimal dataset preparation
- 3. Advanced Exploratory Analysis**
 - Automated univariate and bivariate analysis
 - Integrated statistical tests, including T-test, Kolmogorov-Smirnov, Chi-square, etc
 - Intelligent feature selection recommendations using methods like RFE
- 4. Best Practice Guided Model Training**
 - Ensures standardised ML model training approaches across different data scientists for knowledge retention
 - Quick onboarding for new data scientists
 - Supports automatic training of multiple models for diverse requirements
 - Automated model comparison and selection based on key metrics like accuracy, AUC, precision, recall, and F1 score
 - Interactive visualisations for in-depth model analysis, including learning curves and feature importance graphs
 - Hyperparameter tuning capabilities for the optimal performance
- 5. Pre-built Robust MLOps**
 - Seamless models deployment process
 - Automated model performance and data drift detection
 - Automated performance monitoring through alerts and user-friendly dashboards
- 6. In-built AI Governance Processes**
 - Comprehensive suite of model fairness metrics for ethical AI
 - Advanced model explainability with SHAP value analysis
 - Version control and traceability through SQL tables for full compliance and governance
- 7. Seamless Integration and Deployment**
 - Platform-agnostic architecture allowing deployment in diverse environments, either on-premise or in the cloud
 - Easy integration with existing data ecosystems for a streamlined workflow



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