Kepler™

Redefining Data-Driven Intelligence with the Kepler™ platform.

No Machine Learning experience required.

Stradigi AI's platform, *Kepler*, combines advanced Machine Learning (ML) — including Deep Learning — with intuitive design, all within a framework engineered to help you scale AI across your business. The Kepler platform can be used by everyone, no ML experience required.
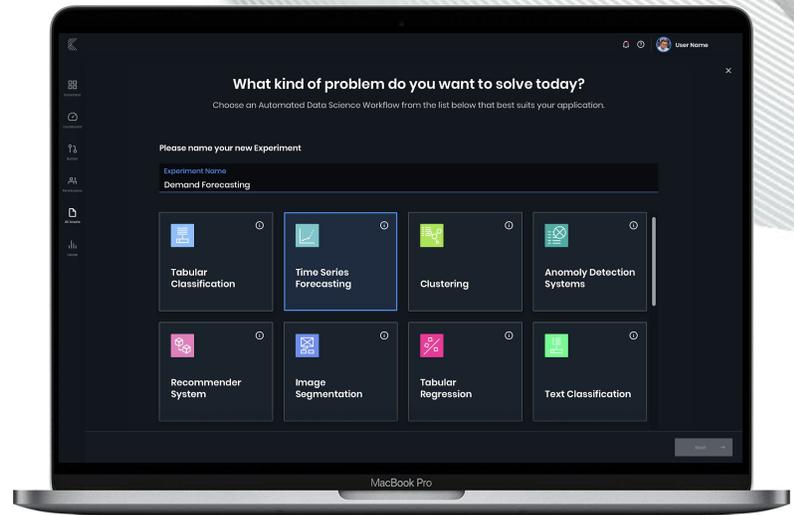
Solve high-impact use cases across multiple industries and lines of business with the Kepler platform.

With the *Kepler* platform, all it takes is data and a high-impact use case to start addressing your critical business problems so you can seize new opportunities — and outgrow your competition.

Remove the barrier of entry to ML

Make machine learning part of your day-to-day. Leverage powerful machine learning workflows that augment your performance and streamline your efforts, no previous ML experience required.

Get more from your data

The *Kepler* platform ingests unstructured and structured data across multiple formats, including text, tabular, and image, so that you can gain a more complete picture of your business, and solve more problems, quickly.

Collaborate cross-functionally

The *Kepler* platform multi-user collaboration enables you to collaborate with ease. Loop in key stakeholders as models are built, analyzed, and deployed, and easily share results with comprehensive, shareable dashboards.

Produce AI models with ease

Move your data projects from ideation to production dramatically faster than conventional methods. Kepler automates the manual and technical aspects of ML and AI so you don't have to do the work.

Generate hundreds of solutions

The *Kepler* platform includes 8 powerful Automated Data Science Workflows that address hundreds of use cases across every business area. Kepler will help you save costs, generate revenue, and gain efficiencies.

Trust your results

Get a clear picture of your model with multiple ways to interpret your results. Analyze through individual data points or across the entire data set with highly visual explainability dashboards.

Choose a task — **Upload data** — **Configure Training** — **Let Kepler do the work** — **Deploy Model & Generate Insights**

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Kepler

What can the Kepler platform do for your business?

The Kepler platform enables your business to bring ROI-driven AI and machine learning projects to market faster with your existing teams and technological investments.

Predict and Forecast

Add powerful prediction capabilities to your business, enabling proactive optimization of hundreds of business-critical activities.

Typical Business Use Cases:

- Demand Forecasting
- Churn Prediction
- Customer Lifetime Value Prediction
- Price Forecasting
- User Intent Prediction
- Workforce Planning

Analyze and Understand

Get new insights from your data, and develop a better understanding of what drives results in your business.

Typical Business Use Cases:

- Marketing and Sales Attribution
- Customer Segmentation
- Sentiment Analysis
- Anomaly Detection
- Marketing Spend Optimization
- Sales Activation Optimization

Personalize and Optimize

Build meaningful customized experiences for your customers, improving engagement and increasing customer conversion.

Typical Business Use Cases:

- Session / UX Optimization
- Content Recommendations
- Product Recommendations
- Assortment Optimization
- Product Bundling

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The Kepler platform goes beyond AutoML.

The *Kepler* platform's Automated Data Science Workflows are designed to truly remove the barriers to entry to classical machine learning and deep learning. *Kepler* makes ML accessible to any user, no experience required.

Automated Data Science Workflows

The *Kepler* platform automates the end-to-end machine learning process, to bridge the gap between your data and your results. The Automated Data Science Workflows handle the key technical steps that exist across the machine learning process, from data ingestion to model deployment.

Automated Feature Engineering

Automatically creates, tests and improves features within your data to optimize model performance and accuracy.

Hyperparameter Optimization

Automatically selects, tests, and evaluates multiple hyperparameters on multiple models and selects the best configuration for your results.

Advanced Deep Learning

The *Kepler* platform deep learning algorithms enable you to leverage your unstructured data, including text and images, and solve more problems.

Continual Optimization

The classical machine learning and deep learning algorithms within *Kepler's* workflows are constantly updated by Stradigi AI's world class researchers and data scientists.

Production

| Data Ingestion | Data Exploration | Data Cleansing | Automated Model Generation | Online Inference | API |

Data Pre-processing | Training Preferences | Automated Feature Engineering | Explainability | Batch Inference
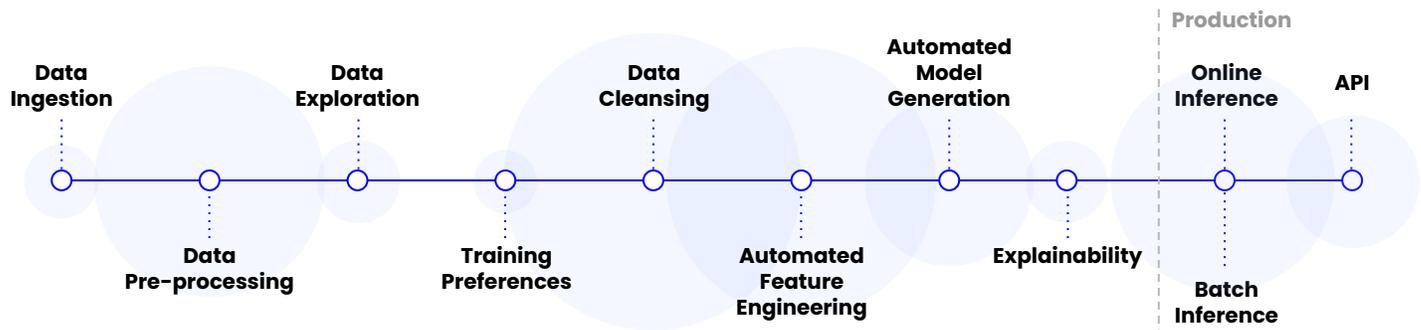
*Larger spheres below correspond to automated tasks that would require intensive time and expertise from a user outside of *Kepler*.

Our Automated Data Science Workflows Solve Hundreds of Problems

Regression   Image Classification   Anomaly Detection

Tabular Classification   Clustering   Forecasting

Text Classification   Recommender

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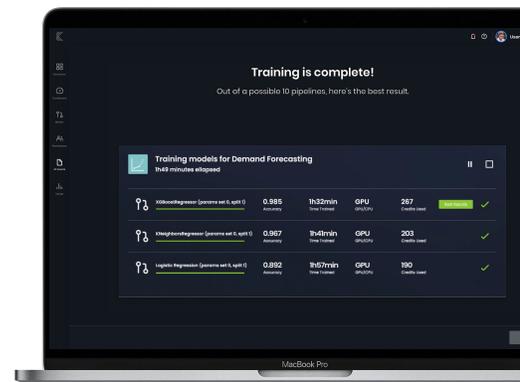
Technical Information

Algorithms

Tabular
XGBoost
CatBoost
RandomForestRegressor
Linear Regression
FCNN
1DCNN
Exponential Smoothing
(Holt-Winters and variants)
Autoregressive models
ElasticNet

(ARMA, ARIMA, SARIMAX)
XGBoostRegressor
KNeighborsRegressor
Logistic Regression
RandomForestClassifier
HDBSCAN
DBSCAN
Optics
Birch
MeanShift

KMeans
MiniBatchKMeans
Agglomerative
Spectral Clustering
SVD
k-NN (K-Nearest Neighbors)
HBOS
IsolationForest
Implicit Feedback
ItemPopularityEstimator

Text
FCNN
1DCNN
RNN (GRU and LSTM)

Images
2DCNN
ResNet50
VGG16
UNET

Data

Formats
Tabular - *CSV, SQL*
Image - *PNG, JPG*
Text Files - *CSV*

Inputs
Local / Network
Drag-and-drop

SQL
MySQL, MS SQL, Postgres

Cloud
Amazon S3, Azure Blob
Storage

Kepler Rest API
Data input for inference
from your preferred data
source via API

Data Science Libraries

Pandas
Numpy
TensorFlow
Keras
Scikit-Learn
OpenCV
Spacy
Dask

Integration

Kepler Rest API
Enables the
integration of your
models within your
system of choice.

System Requirements

Screen Resolution
1200 x 960

Browser
Edge, Chrome, FireFox, Safari
Support for tablets

Operating System
Linux, MacOS, Windows
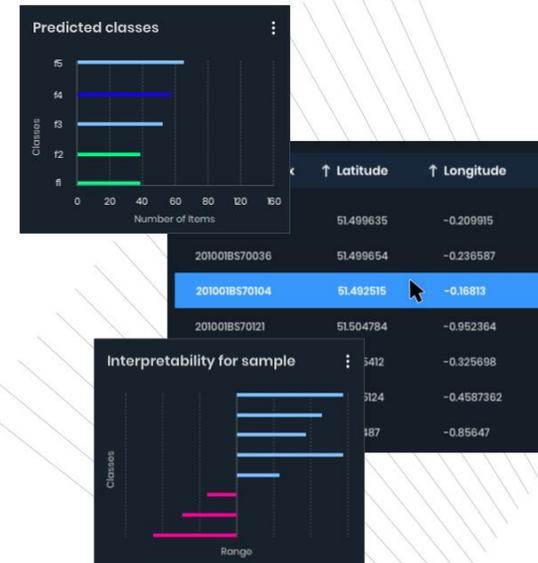
About Stadigi AI

Stradigi AI is an Artificial Intelligence software company that enables organizations to bring business-accelerating AI to fruition, quickly. Its Machine Learning (ML) platform, Kepler, alleviates the AI talent gap by empowering any type of user with access to intuitive Automated Data Science Workflows, built to generate results for pertinent use cases across the business stack, with no ML experience required. The Kepler platform allows users to extract key insights from their data to improve customer experience, grow revenue, and gain efficiencies across multiple industries including CPG, retail, manufacturing, financial services, logistics, and more.

ISO
27001
Certified

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