



GoFlek



Unified Framework for AI
Analytics

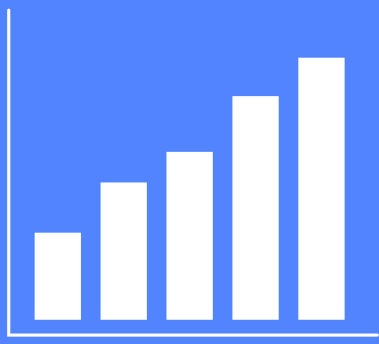
Use Cases/Operations



Model



Predict



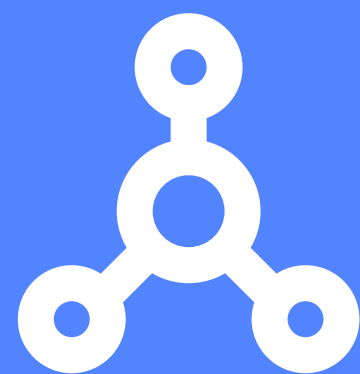
Explore



Recommend



Discover

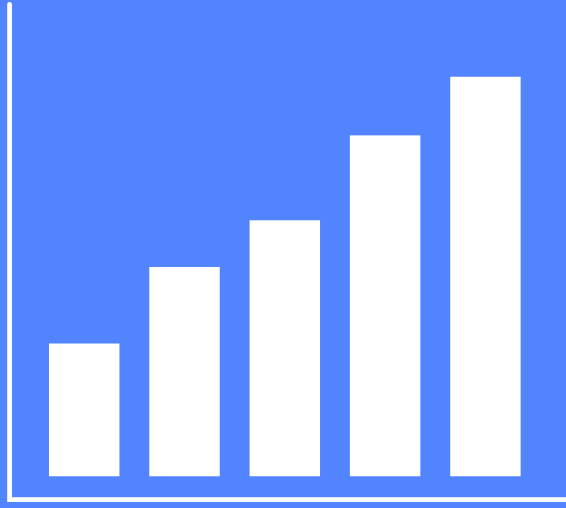


Program



Model

- **Engine driven models instead of mathematical algorithms**
- **Read & Encode semi structured binary, multiclass and multilabel data**
- **Multilabel models with nested multilabel variable**
- **Auto ML for model discovery, building and storing Semi-supervised machine learning**
- **Self-adjusted ML as new data comes in – rebuild “on the fly”**
- **Enable modeling complex events that cannot be handled by classical probability models**



Explore

- **Search Probabilistic Patterns hidden in the data**
- **Query and mine Nuggets: Rules & Stats**
- **Visualize & plot the joint & conditional probabilities**
- **Tabulate the join & conditional probabilities**
- **Simulate complex processes or random processes**
- **Run WHAT-IF analysis for various possible outcomes**



Discover

Auto Discovery of various patterns & events from data:

- **Anomaly & Polymaly**
- **Influencer _ Association**
- **Causality**
- **Interesting Rules and Stats**
- **General Variable Statistics**



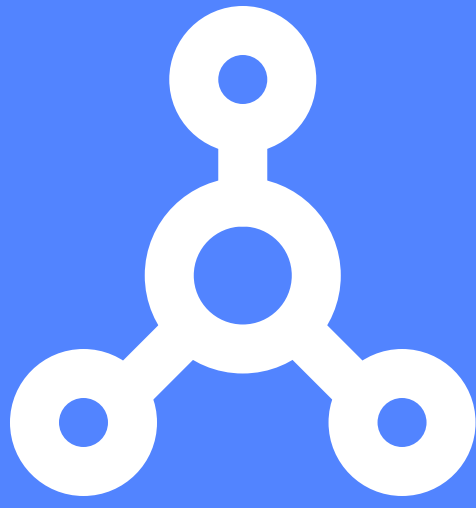
Predict

- **Multi-variate classification – predicting multiple joint outcomes**
- **Forward & Backward prediction using a single unified model without need for retraining or adjustment**
- **Interpret & Trace predictions – open box that allows to peek into how predictions were generated**
- **Generate evaluation Metrics and Confusion Matrix for predictions**
- **Multi-algorithms for various kinds of probabilistic patterns**



Recommend

- **Combined Trait & Item based recommendation**
- **Trait & Item recommendation using a single unified model without need for retraining or adjustment**
- **Interpret & Trace recommendations – open box that allows to peek into how recommendations were generated**
- **Multi-algorithms for various kinds of recommendation patterns**
- **Multi-level ranking using GWM (geometric weighted merge)**



Program

- **Easy to use Python SDK and APIs for all use cases**
- **Algorithmic Probability Programming (APP) - a newly invented paradigm for probabilistic programming**
- **Test & Run same code on standalone, local or remote server**

Machine Learning Comparison

Flek

- Engine-driven
- Queryable
- Interpretable
- Explainable
- Auto Learning
- Probabilistic

Others

- Mathematic Function
- Neural Network
- Run Algorithm
- Black Box
- Retraining & Tuning