CloudRadigm
Delivering the art of
Artificial Intelligence driving Artificial Intelligence

AI-Powered Algorithm Orchestration Engine

Scorpio AI™

THE
Virtual Data Scientist
FOR APP DEVELOPERS

for Whom

The **ScorpioAI™** big data analytics engine can be adopted by any :

- **ISVs**
  for feature provisioning or enhancements
- **Enterprise Users**
  for enabling their in-house Apps with customized predictive and prescriptive analytics capabilities for their organizations

for What

- **Data Analysis and Discovery** (Descriptive)
  providing historical and unknown insights
- **Predictions** (Predictive)
  providing insights into the future
- **What-ifs Scenarios** (Simulation)
  providing simulations of possible scenarios
- **Recommendations** (Prescriptive)
  facilitate decision-making or automation

and Why

Driven by advanced AI
Our patent-pending technology combining
- ⬥ decision theoretic solver (**world's fastest**)
- ⬥ probabilistic network structure learning
- ⬥ multi-objective optimization
- ⬥ regret minimization

delivers fast, optimal performance

- **Easy to Adopt**
  machine-learning knowledge not required
- **Intelligent**
  self-modeling, selection and orchestration of algorithms and ability to handle incomplete data
- **Light-weight**
  runs even on a lap-top
- **Scalable**
  - ⬥ concurrent handling of multiple tasks
  - ⬥ algorithms can be added for new use cases
- **Self-Learning**
  learns from every new task for faster and more precise problem-solving via
  - ⬥ optimal model definition
  - ⬥ ideal algorithms selection
  - ⬥ refined parameters utilization

Use Cases

Big Data analytics that include
- Business Analytics
- Fraud or Anomaly detection
- Gaming Analytics and Predictions
- Monitoring and analysis of IOT devices
- Scientific Research and Simulations
- Social Media Analytics
- Sports Performance Analytics and Results Predictions
- User experience enhancements and application process automation

and many others

High-Level Architecture of the ScorpioAI™ Engine

Scalability

Developer App

AIO Manager

• Applicable only for advance modeling

Universal Models

DB

Artificial Intelligence Orchestrator (AIO) Engine

Reinforcement Learning

Algorithms Knowledge Module

Algorithms Pool

Multiple AIO instances can be fired up