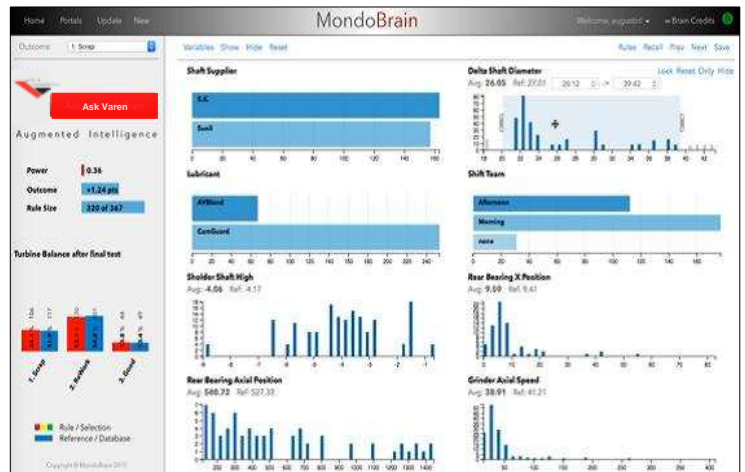# VAREN TECHNOLOGIES

MondoBrain
Augmented Intelligence

Created by MondoBrain

MondoBrain is the most powerful and simplest decision making and process control solution
You can now have ***smart recommendations to problems in just 10 minutes***

MondoBrain is an "Augmented Intelligence" system:

- A force multiplier for your expert knowledge that fundamentally changes the game of data exploration, making it more efficient and effective.

- It is your guide along the path of information discovery, helping you navigate the complexities of your data, and showing you exactly where you should focus your precious time and attention in order to extract the most value.

- An easy to use and accessible approach where the desired result is the input, and the question or conditions that optimize that result is the solution.

MondoBrain Enables a New Class of Citizen Data Scientist

- MondoBrain is a simple and powerful Smart Analytical Solution used to profile and predict risks, customers, transactions and performance.

- MondoBrain leverages unique non statistical algorithms, and the knowledge of subject matter experts, to produce dynamic data visualization. Experts can instantly understand, explain, predict and monitor critical issues using a simple web interface.

- MondoBrain discovers unprecedented relationships and critical situations that are invisible to other tools and technologies (decision trees, associations rules, CART, C4.5, etc.).

What it brings – An explanation of WHY performance increases or decreases. Predict future issues and manage accordingly, instead of reacting through trial and error. Evaluate your decisions and explore alternative scenarios.

Problem solving – MondoBrain is 20 times faster than any other software of its type. You can explore alternatives, move ranges, and iterate with MondoBrain until you find the best solution. It makes 6sigma type analysis easy and fast.

Management System – Optimize performance of a process. Track your performance evolution and play-back analytic processes. MondoBrain is an intelligent dashboard that answers questions and identifies key decision factors.

Simple – No need to be a data scientist, the software is visual and intuitive, ***it takes less than 10 minutes to learn***! You will understand immediately how to solve critical issues. You can even share and enrich decisions with colleagues.

Capability Statement: *Varen Technologies provides superior engineering, cyber security, specialized technology solutions and management consulting services to the federal government, Intelligence Community, Department of Defense, military and US government health agencies.*

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MondoBrain
Augmented Intelligence

Product Features

FEATURES
- One click dynamic visualization; intake files of any format: text, csv, Excel, SAS, HDFS (Hadoop)
- Explore combination of any variables
- Run MondoBrain advanced Artificial Engine to extract unknown rules

ALGORITHM
- One click access to MondoBrain algorithm
- Enhance business rule with MondoBrain algorithm
- Extract unknown sub population and profiles
- Maximize rule power
- Compliment business rules with artificial intelligence
- Build knowledge upon and beyond human expertise
- Case Base Learning

INTERFACE
- KISS – Keep It Stupid Simple and WYSIWYG interface
- Dynamic visualization of variable impact on outcome
- Real time combined influence analysis
- Build and visualize business rules with drag & drop
- Simulate and evaluate 'What If' scenario
- Understand the contribution of each variable
- Explore variables relationships

ENVIRONMENT
- **NEW:** MondoBrain runs on tablets, iPads and Android
- Easy access through Google Chrome Browser
- No installation or set up
- Secured and dedicated web portal
- Easy integration within third party software: API architecture
- Save and edit rules
- Share rules and leverage third party expertise and experience

CONFIGURATIONS
Cloud Computing
- Instantly available
- No set up cost
- Secured https ssl connection
- Servers in US, Europe and Asia

On Premise
- Dedicated server
- On demand quotation
- Full support for implementation, maintenance and support

TECHNOLOGY

MondoBrain addresses three challenges to bring datamining and machine learning solutions to wider audiences;

1. Develop a new generation of algorithms based on A. Grothendieck scheme theory (Field Medal) that extract knowledge and rules from data without any model or distance; and explores every part of multi-dimensional spaces independently.

2. Invent an iterative workflow where the algorithms enhance expert knowledge; and the expert can use their business knowledge to guide the direction in which the algorithm learns.

3. Design a simple WYSIWYG interface that exposes all relevant information without the need for statistician, data analyst, or developers.

APPLICATION

Risks & Intelligence
- Predictive Analysis
- Risk profiling
- Cyber security
- Safety
- Fraud
- Operational risk