Triple ACEs Machine Learning & Analytics

Predictive Analytics for Decision Support Systems

Analytics As A Service
Run Big Data analytics (e.g. classification, anomaly detection, clustering) on whole datasets, by applying the algorithm with the best accuracy

Driven by Machine Learning
3AS applies various Machine Learning algorithms to your dataset to find out which best applies to your case
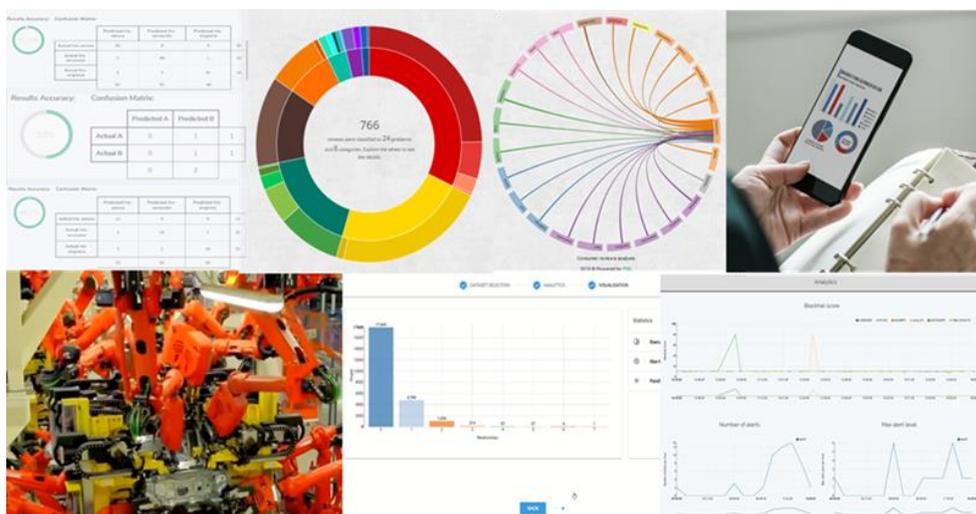
Data Streaming jobs
Real-time processing of streaming data. Batch or real-time analysis

On-demand Analytics
Tailored solution addressing case-specific or recurring data insights. Seed or leech our Cloud Services' insights. Service provided on premises or in the cloud.
Tailored Consultancy and support

The Big Data Challenge
As diverse data pools are becoming the norm, data variety – in addition to volume and velocity - increases as a source of value, driving more big data investments. In parallel, cloud and Internet of Things (IoT) convergence create new opportunities to leverage big data analytics as human and machine data are aggregated, transforming economy and society The market is ready for a new paradigm that empowers business users with the right data analytics tools and gives the true decision-makers the insights they need to make the right decisions.

Value proposition
3AS is a Big data business analytics solution for structured, unstructured and noisy data, aiming to optimize decision-making at the tactical, operational and strategic levels. Users and companies can benefit from any kind of data they already produce and get valuable business feedback about their existing processes, production lines, customers' habits etc.

Analytics As A Service (3AS), a solution that is configurable, scalable and can be used effectively both by data scientists and non-experts. It constitutes a services delivery framework combining modular and highly customizable open source tools, offering flexibility at a reasonable cost.

Techniques: Enhanced data fusion & analysis

3AS uses customizable software tools that transform heterogeneous data in real time by reducing the granularity from the signal/raw level to a semantic level.

The data is processed with the 3AS analytics engine that allows for an iterative data analysis process to take place, based on multiple advanced Machine Learning (ML) algorithms.

Finally, the insights produced are presented through an advance visualization interface, realizing the 3AS decision support system (DSS)
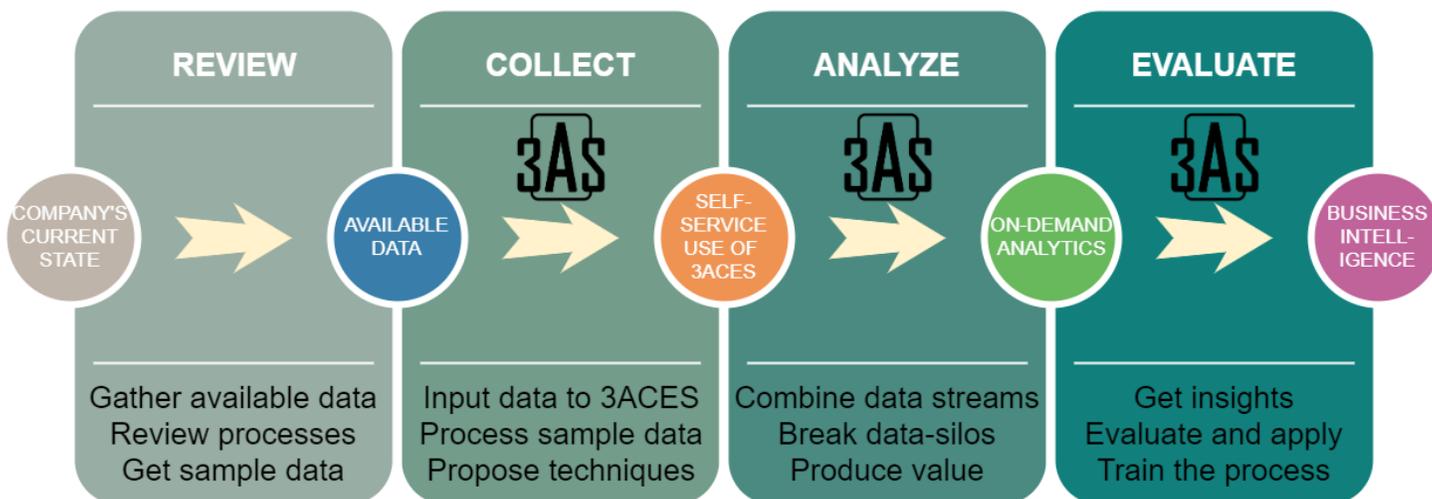
Predictive analytics functionalities

- Understand the complex interplay of information (system/business status, type of incidents, and measured data) with the various heterogeneous parameters that affect decision-making
- Enhance the capacity to detect, prevent and mitigate any issue

Decision support functionalities

- Provide real time smart situation awareness during incident time
- Efficient incident detection, and resource optimization (energy, labor etc.)

Visualization

- An advanced visualization toolkit enables efficient collaboration between the users and the system ensuring interactive communication
- End users have direct and easy access to all types of real-time and historical information (recommendations, decision support, thorough system status) and at the same time they can provide to the system feedback to support machine learning algorithms' training

Get more: Contact ITML to obtain more information about Analytics As A Service and find out how you can benefit from Machine Learning to extract value from your data. Let our ML consultants assist you in designing a winning solution!
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