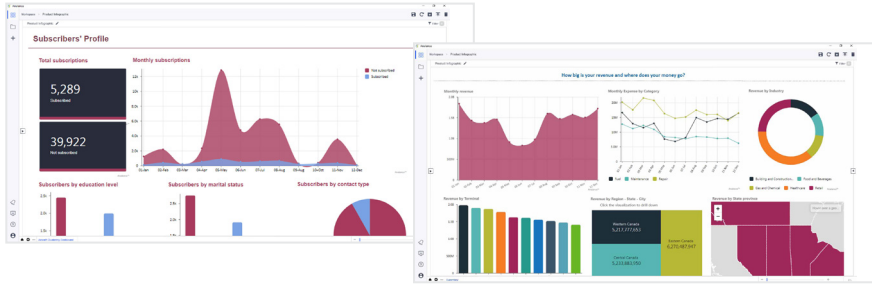# ANALANCE
ADVANCED ANALYTICS

Analance Advanced Analytics (AAA) parses large masses of structured and unstructured data for data analysis and predictive modeling. Visualize your predictions on a live, interactive dashboard to make smarter decisions and achieve exceptional outcomes to optimize and automate business operations.

AAA KEY BENEFITS

Deliver insights and predictions
Whether the user is a citizen data scientist or a data scientist, the AAA module can be mastered in minutes. With an intuitive GUI and step-by-step process workflows, users can quickly connect and prepare data with a click of a button.

Explore data on your own
Discover patterns, spot anomalies, frame hypothesis, and check assumptions by connecting to one or multiple data sources with a live or in-memory connection. Run univariate and/or bivariate statistical testing and explore data structures with feature engineering to select significant columns and features for further analysis.

Use our pre-built algorithms or build your own
Analance offers 40+ algorithms bundled within 9 methods of analysis. It integrates seamlessly with R and Python zero-coding machine learning algorithms so users can jump start their analysis. If coding is preferred, the platform extends its capability to support custom algorithms.

Improve accuracy of predictive analytics with ensemble modeling
Run two or more related or different analytical models and then combine outcomes into a single score to improve accuracy of predictive analytics.

Quickly deploy models into the Analance Business Intelligence (ABI) to visualize
With Analance interactive visualization tools, combine data from multiple sources to create real-time dashboards with full reporting capabilities. Visualize with multi-table, table with sparkline chart, histogram charts, and bar charts. Stay within the same platform to slice and dice predictive output. There is no need to export data.

WHO USES ANALANCE?

Analance is being used by small, medium, and very large renowned enterprises in Telecommunications, Financial Services, Healthcare, Pharmaceutical and Life Sciences, Retail and Education.

LOWER TCO WITH THE ANALANCE PLATFORM

Right now, the analytics landscape is scattered – multiple applications, frameworks, and databases are required to go from raw data to predictive insights with several integration challenges. Even with plugins, documentation, and solution experts, integrating and managing three different, unrelated tools is very complicated. You are always up against major costs, data uncertainties, and issues that hurt your bottom line:

- **Hybridization:** Various, difficult to learn and buggy integrations and plugins increase the costs of implementing, resourcing, and managing your analytics solution. Plus, all the different data silos can make it harder to get the insights you need.

- **Infrastructure:** Different platforms means different architectures with specific, separate, and often expensive hardware and virtualization requirements.

- **Maintenance:** Increased labour costs due to the time required to maintain and monitor three solutions.

- **Training:** Prohibitive training costs for administrators, data scientists, and end users.

- **Performance:** Workloads and processes take longer to execute, leading to costly bottlenecks.

- **Usability:** Switching between platforms makes it harder for users to learn and understand how to get their jobs done.

Explore Analance use cases
https://analance.ducenit.com/solutions
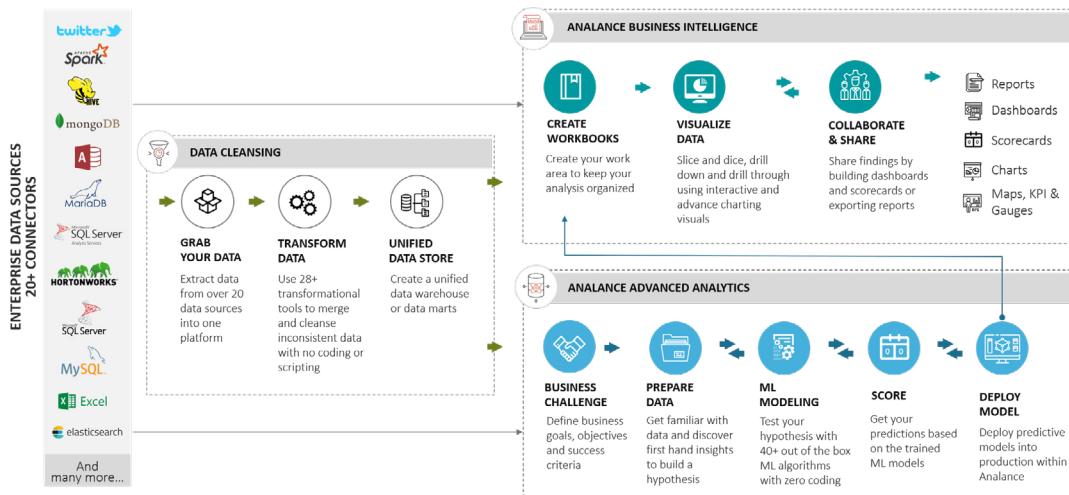
Demo
https://analance.ducenit.com/get-a-demo

Proof of concept
https://analance.ducenit.com/proof-of-concept/

Free trial
https://analance.ducenit.com/free-cloud-trial

For more information please visit **www.analance.com**

HOW DOES ANALANCE WORK?

AAA seamlessly connects to other Analance modules without any integration challenges or breaks in process flows. Data cleansing, predictive modelling, and business intelligence – all from a single, easy-to-use enterprise analytics platform. Everything from system administration and maintenance to workload performance and training is much easier, leading to a much lower TCO for the solution.

ENTERPRISE DATA SOURCES 20+ CONNECTORS
twitter, Spark, Hive, mongoDB, MariaDB, SQL Server, HORTONWORKS, SQL Server, MySQL, Excel, elasticsearch

And many more...

DATA CLEANSING

GRAB YOUR DATA
Extract data from over 20 data sources into one platform

TRANSFORM DATA
Use 28+ transformational tools to merge and cleanse inconsistent data with no coding or scripting

UNIFIED DATA STORE
Create a unified data warehouse or data marts

ANALANCE BUSINESS INTELLIGENCE

CREATE WORKBOOKS
Create your work area to keep your analysis organized

VISUALIZE DATA
Slice and dice, drill down and drill through using interactive and advance charting visuals

COLLABORATE & SHARE
Share findings by building dashboards and scorecards or exporting reports

- Reports
- Dashboards
- Scorecards
- Charts
- Maps, KPI & Gauges

ANALANCE ADVANCED ANALYTICS

BUSINESS CHALLENGE
Define business goals, objectives and success criteria

PREPARE DATA
Get familiar with data and discover first hand insights to build a hypothesis

ML MODELING
Test your hypothesis with 40+ out of the box ML algorithms with zero coding

SCORE
Get your predictions based on the trained ML models

DEPLOY MODEL
Deploy predictive models into production within Analance

AAA FEATURES

20+ DATA CONNECTORS

- Big Data Sources (Hadoop, Hive)
- API (REST, Odata)
- RDBMS and Files
- Cubes
- Social Media

40+ OUT OF THE BOX ALGORITHMS

- Prediction Model (5)
- Classification Model (14)
- Clustering Model (7)
- Survival Analysis Model (2)
- Anomaly Dimensionality Reduction Model (2)
- Forcasting Model (5)
- Text Classification Model (4)
- Text Clustering Model (1)
- Association Rules Model (1)

DEPLOYMENT OPTIONS

Cloud No hardware investments required! Easily scale resources horizontally or vertically to meet organizational needs.

On-Premise Maintain control over enterprise data and adhere to in-house security policies to protect confidential data.

Hybrid Combine on premise, public, and private cloud options. Control how data is accessed.

PLATFORM SYSTEM REQUIREMENTS

Operating System Windows Server 2016 R2 Standard 64-bit Edition

Processor Intel x64 Based Architectures 2.6 GHz Six Core Processor or higher

Disk Space 100 GB minimum; 150 GB or higher recommended

SYSTEM REQUIREMENTS

Windows Browser Support Internet Explorer 11, Mozilla Firefox*, Google Chrome*, Opera* *Latest and -1 version*

Processor Intel Core Duo compatible or higher recommended

Memory 2GB minimum; 4 GB recommended