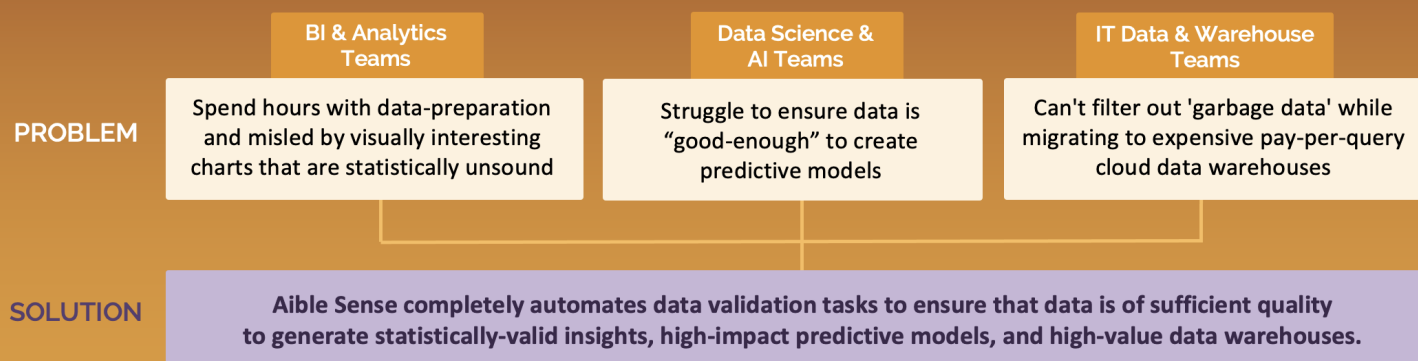# AIBLE SENSE

Sense the power of your data

Overview

Enterprises are overwhelmed with data and it's a complicated, expensive task to identify valuable data suitable for analytics predictions, and data warehousing projects. Typically, only 20% of organizational data is valuable, leading to teams spending 80% of their time on preparing and managing data. (Source: Forbes)
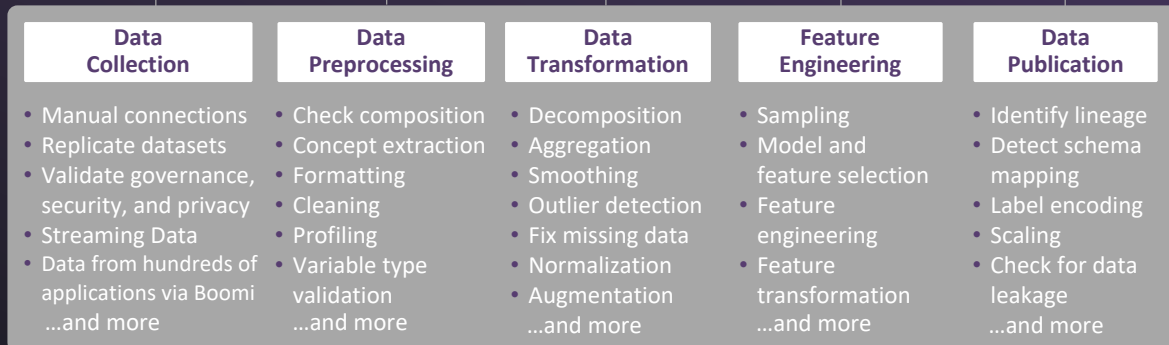
Introducing Aible Sense

Aible Sense is designed to pinpoint the **"gold"** in your data, quickly and easily to make analytics, predictions, and data warehousing projects successful, with the lowest cost IT resources available - serverless and file storage. Using no upfront effort, Aible Sense collects data securely in the customers' own cloud accounts, automatically performs data prep, cleansing and enrichment activities, structures the data for model training, and evaluates data readiness – **with a single click.**
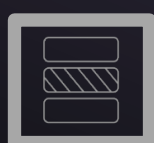
	BI & Analytics Teams	Data Science & AI Teams	IT Data & Warehouse Teams
PROBLEM	Spend hours with data-preparation and misled by visually interesting charts that are statistically unsound	Struggle to ensure data is "good-enough" to create predictive models	Can't filter out 'garbage data' while migrating to expensive pay-per-query cloud data warehouses
SOLUTION	Aible Sense completely automates data validation tasks to ensure that data is of sufficient quality to generate statistically-valid insights, high-impact predictive models, and high-value data warehouses.		

Data-Readiness

WITHOUT AIBLE SENSE
8-10 HOURS

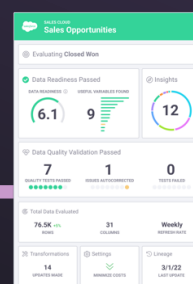| Data Collection	Data Preprocessing	Data Transformation	Feature Engineering	Data Publication
• Manual connections • Replicate datasets • Validate governance, security, and privacy • Streaming Data • Data from hundreds of applications via Boomi …and more	• Check composition • Concept extraction • Formatting • Cleaning • Profiling • Variable type validation …and more	• Decomposition • Aggregation • Smoothing • Outlier detection • Fix missing data • Normalization • Augmentation …and more	• Sampling • Model and feature selection • Feature engineering • Feature transformation …and more	• Identify lineage • Detect schema mapping • Label encoding • Scaling • Check for data leakage …and more

Project Ready Dataset

WITH AIBLE SENSE
Less than 10 MINUTES

One click

Project Ready Dataset

Key Features

- Completely automated
- Automated data cleansing and feature engineering
- Data readiness assessment in minutes
- Lowest TCO via automation with serverless and object store

- Auto-transformations to improve data readiness
- Highlights top variables and variable combinations
- Detects key insights and business drivers
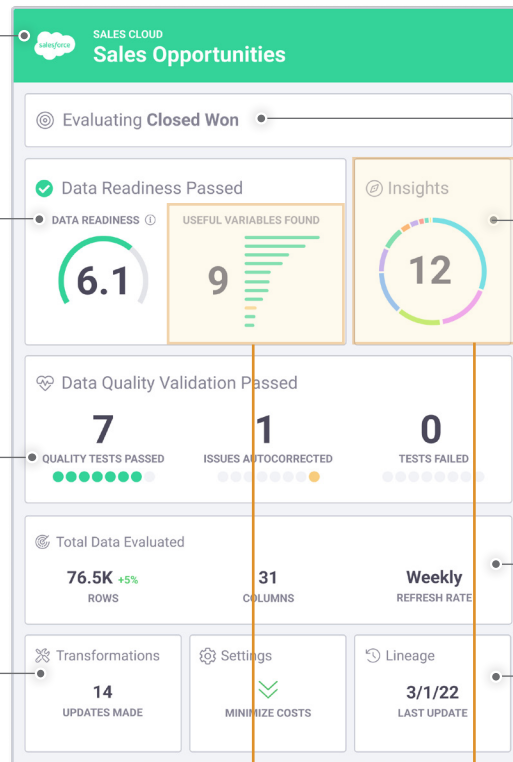- Data stored & analyzed securely in your own cloud account

Sense the power of your data

All data stored and analyzed in customer's own cloud

If you are analyzing data, the data readiness indicates whether charts that you draw are likely to be statistically sound. For example, a chart may look visually interesting because the averages are significantly different, but if the standard deviation is significantly greater than the difference in averages, the chart might mislead you. If you are creating a predictive model, data readiness > 0 means the model is better than random chance. Any score above 0.5 is potentially useful, above 2 is likely useful and above 9 may be too good to be true.

Conducts 8 types of data quality checks and improves the data quality automatically if possible

Data transformations such as derived variables, dataset joins, etc. Features are auto-recommended based on whether the transformation of the variable(s) improves the data readiness score. Transformations are auto-applied as new data arrives

SALES CLOUD
Sales Opportunities

Evaluating **Closed Won**

Data Readiness Passed

DATA READINESS — **6.1**

USEFUL VARIABLES FOUND — **9**

Insights — **12**

Data Quality Validation Passed

7	**1**	**0**
QUALITY TESTS PASSED	ISSUES AUTOCORRECTED	TESTS FAILED

Total Data Evaluated

76.5K +5%	**31**	**Weekly**
ROWS	COLUMNS	REFRESH RATE

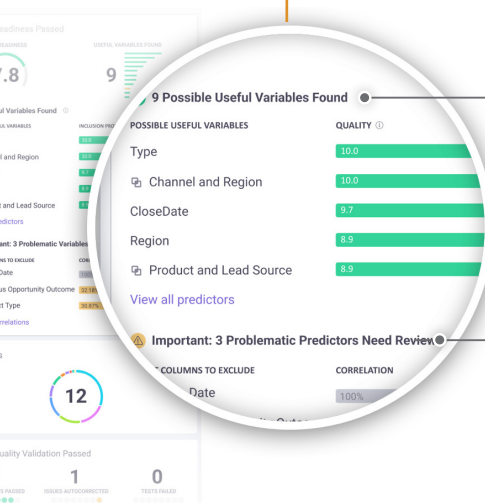| Transformations	Settings	Lineage
14		**3/1/22**
UPDATES MADE	MINIMIZE COSTS	LAST UPDATE

Select a KPI you would chart on the vertical axis or an outcome a model would predict

Key insights in the data such as the variables and variable combinations that would be best to chart on the horizontal axis, or would best determine the outcome you want to predict
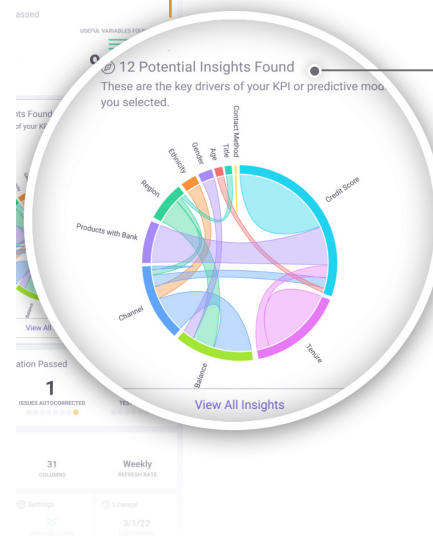
The data can be uploaded in batches, or streamed. Streamed data is collected on an ongoing basis but evaluated based on a set volume or schedule.

The full lineage of the data

9 Possible Useful Variables Found

POSSIBLE USEFUL VARIABLES	QUALITY
Type	10.0
Channel and Region	10.0
CloseDate	9.7
Region	8.9
Product and Lead Source	8.9

View all predictors

Important: 3 Problematic Predictors Need Review

COLUMNS TO EXCLUDE	CORRELATION
Date	100%

If you are analyzing data, variables with higher quality would be good to chart on the horizontal axis. Charts where a variable with low quality is in the horizontal axis may be statistically less informative and might mislead you. Each variable is scored on a scale of 0 - 10.

If you are creating a predictive model, the data readiness step checks to see if there is sufficient predictive power in any of your variables. It's okay if your data is messy, there can still be enough to build predictive models.

12 Potential Insights Found
These are the key drivers of your KPI or predictive model you selected.

View All Insights

The arcs show the importance of a single variable. The bridges across show the importance of combinations of variables

Try Aible Sense Today

Get Started Today at: enaible.aible.com/free_trial

AIBLE