Qlik Sense

Product Certification Report

Analyst Verification of Capabilities

Product Certification: Qlik Sense

Qlik Sense is an AI-enabled, end-to-end data analytics solution to obtain relevant, data-driven insights with compelling visualizations, augmented data preparation and real-time data exploration tools. In-memory architecture and machine learning capabilities help users scale, prepare data faster, predict forecasts, analyze high-velocity streaming data, and perform what-if and sentiment analysis.

How to Customize Report

Customize this report to your unique requirements by going to the SelectHub JumpStart Platform for software selection.

Customize

Analyst Rating

Users praised its efficient data analysis, management and visualization features, citing its ability to unearth deep connections between data points and display them in interactive, responsive ways. Users also acclaimed it for its user-friendly interface, remarkable performance and accessibility. However, some users said that it lacks customization and collaboration tools. Even with its drawbacks, Qlik Sense is an extremely capable platform that offers a myriad of fast and powerful data analysis and visualization capabilities.

GREAT

86%

of users
would recommend this product

DEPLOYMENT

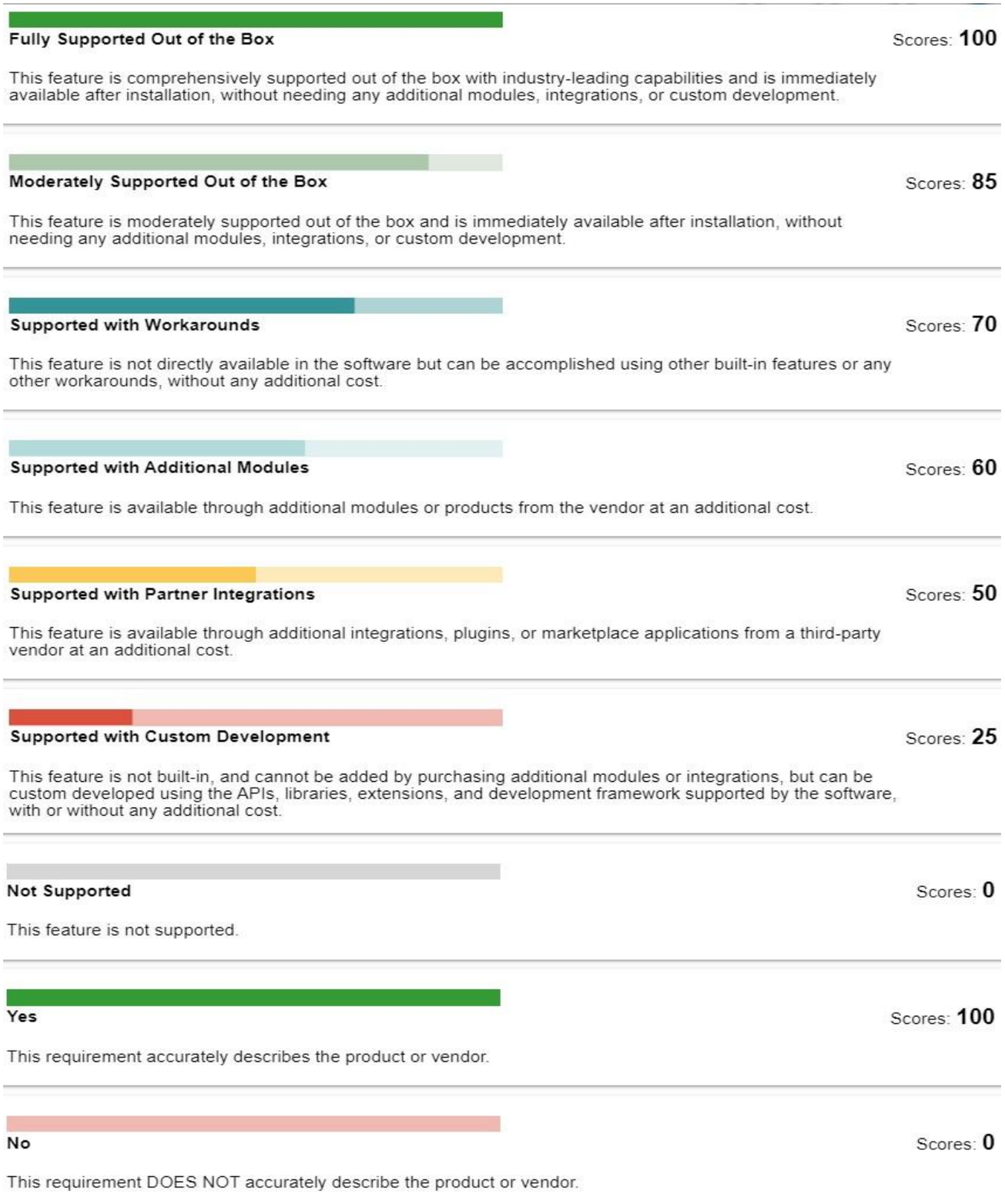
PLATFORMS

COMPANY SIZE S M L

PRICE $ $ $ $ $

Evaluation Label Glossary

SelectHub's evaluation labels are defined and explained below. Each certified capability is provided an evaluation label to indicate its implementation readiness.



Featured Capabilities

NLP-Based Search and Conversational Analytics

Fully Supported Out of the Box

The solution provides multi-language NLP to understand, process and generate natural language, text mining to go through vast unstructured data, and AI-driven modules to comprehend intent and context.

Users can asks questions and interact with its voice- or text-based interface to obtain relevant answers and narrative insights, or search through scores of texts to uncover patterns and hidden insights — in real time.

Self-Service Visualization

Fully Supported Out of the Box

Extract, blend and visualize data from disparate sources, irrespective of size, with interactive dashboards. Navigate, filter and drill down in real time to find granular and context-based insights. Present data in the form of bar and area charts, grid charts, heat maps, multi KPI charts, Sankey charts, Word Cloud charts and more. Choose the best format with AI-driven charting suggestions.

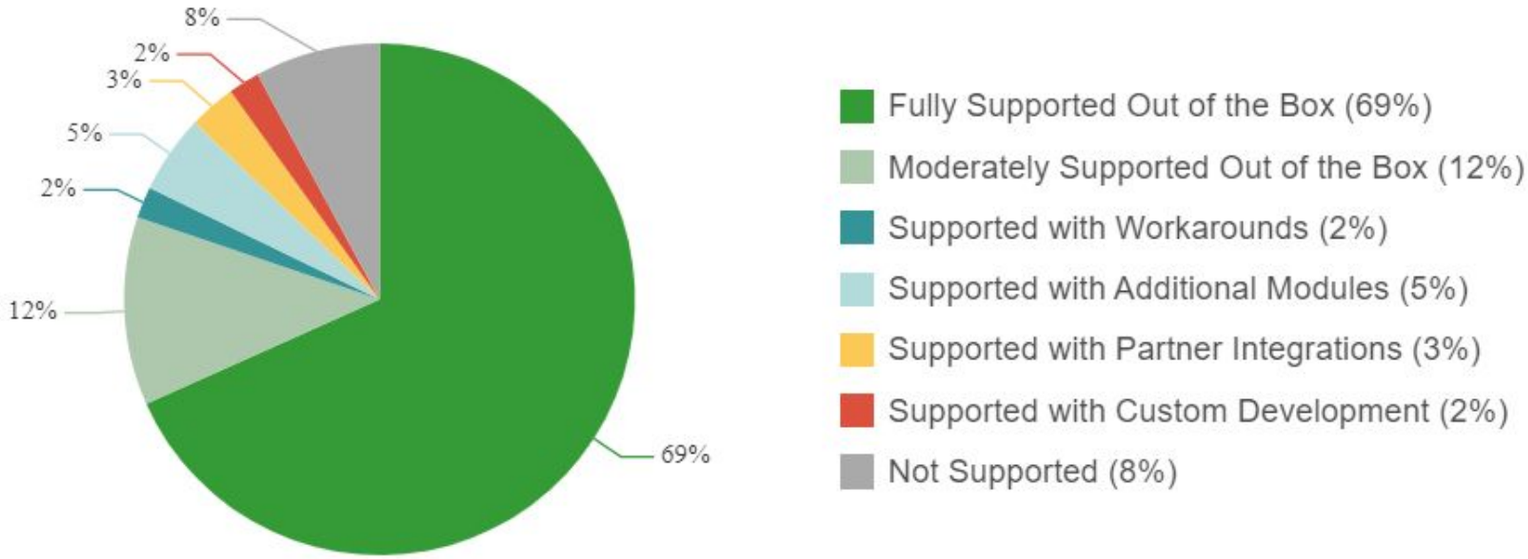
Embedded Analytics and App Development

Fully Supported Out of the Box

Embed analytical capabilities and rich visualizations into numerous business applications , websites and external portals. Provides third-party data science tools to quickly develop personalized applications from scratch.
Integration with edge-computing devices lets users analyze data right where it lives. Supports embedded multi-tenancy with row-level security (RLS) to isolate tenant data.

Implementation Overview

On average, Qlik Sense entirely covered 69% and moderately covered 12% of requirements out of the box in projects run over SelectHub platforms. Additional modules, partner integrations and custom development accounted for 10%, while 8% of requirements were not supported at all.



Fully Supported Out of the Box

70% Functional Requirements

64% Technical Requirements

Moderately Supported Out of the Box

9% Functional Requirements

18% Technical Requirements

Supported with Workarounds

2% Functional Requirements

3% Technical Requirements

Supported with Additional Modules

7% Functional Requirements

0% Technical Requirements

Supported with Partner Integrations

3% Functional Requirements

3% Technical Requirements

Supported with Custom Development

2% Functional Requirements

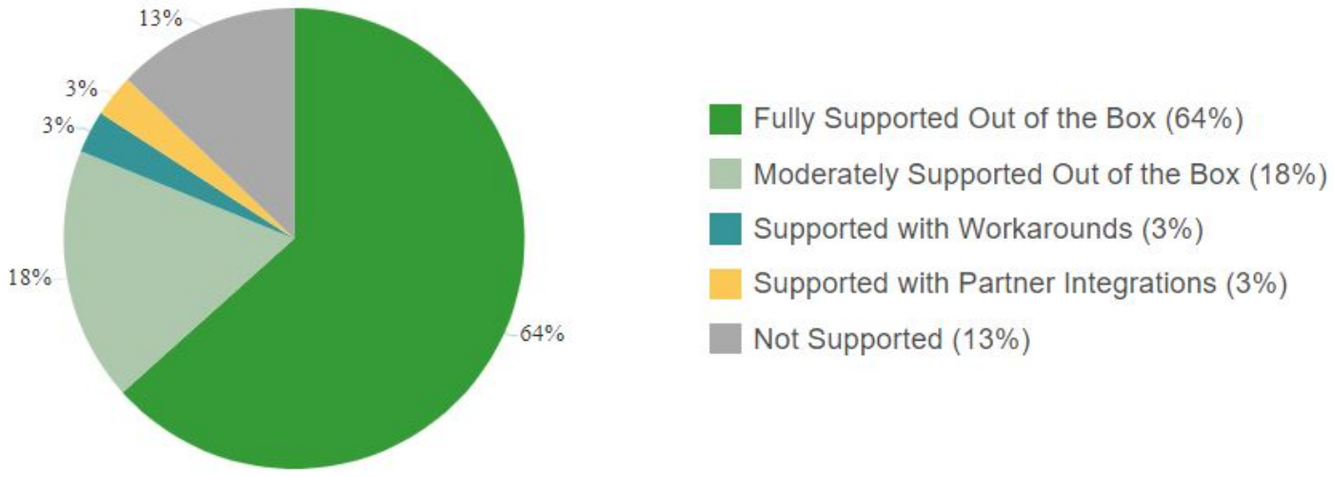
0% Technical Requirements

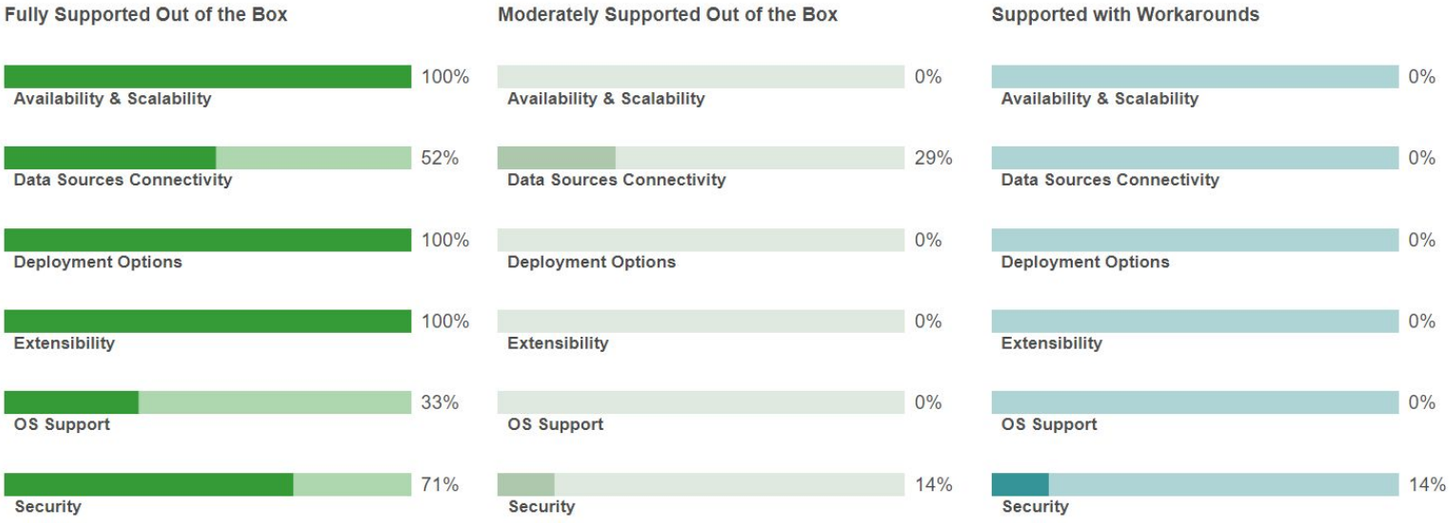
Not Supported

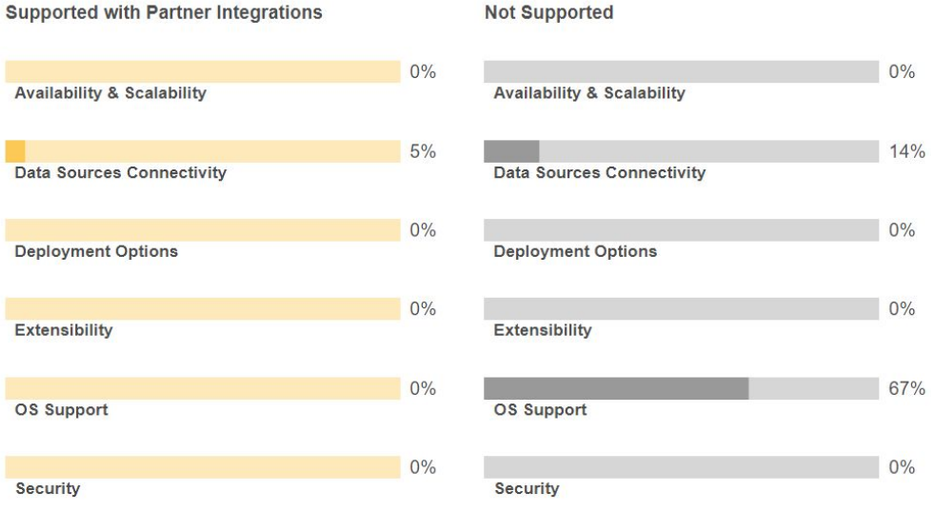
6% Functional Requirements

13% Technical Requirements

Technical Requirements

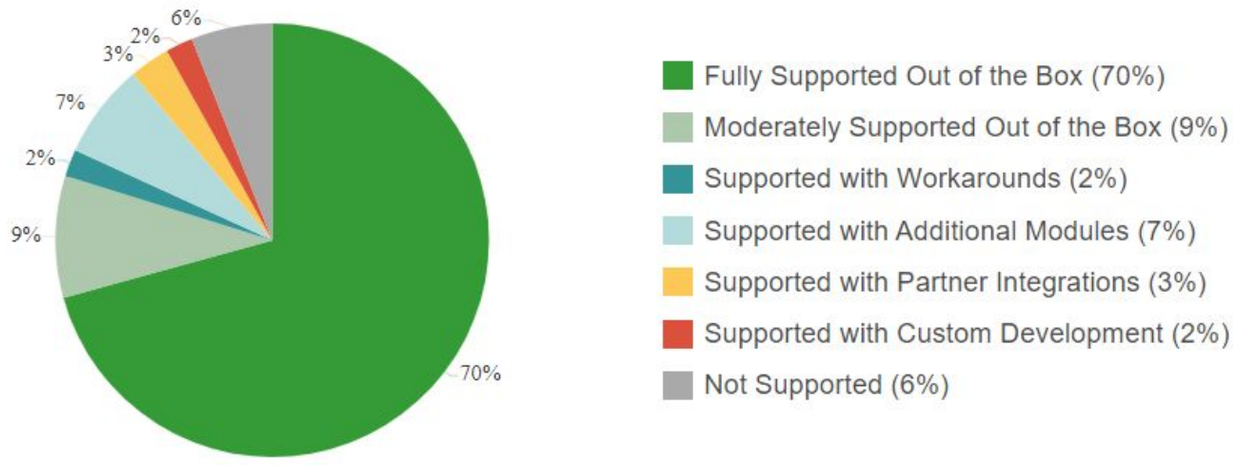






Qlik Sense fully supported 64% of user requirements out of the box, with another 18% moderately supported out of the box. The remaining 6% of requirements included partner integrations and workarounds. Finally, it didn't support 13% of user requirements overall.

Functional Requirements



Fully Supported Out of the Box

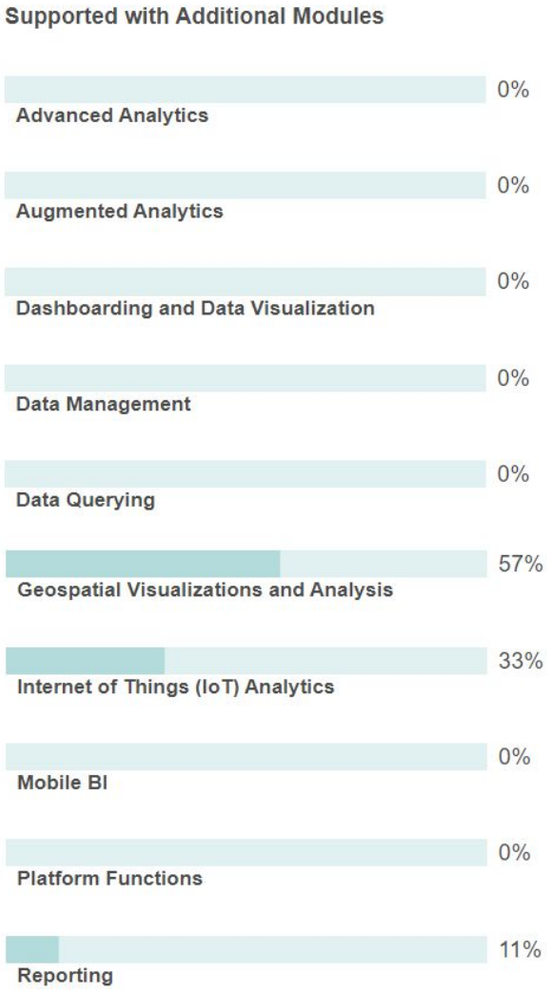
Advanced Analytics	55%
Augmented Analytics	46%
Dashboarding and Data Visualization	100%
Data Management	100%
Data Querying	89%
Embedded Analytics	50%
Geospatial Visualizations and Analysis	43%
Internet of Things (IoT) Analytics	33%
Mobile BI	88%
Platform Functions	80%
Reporting	78%

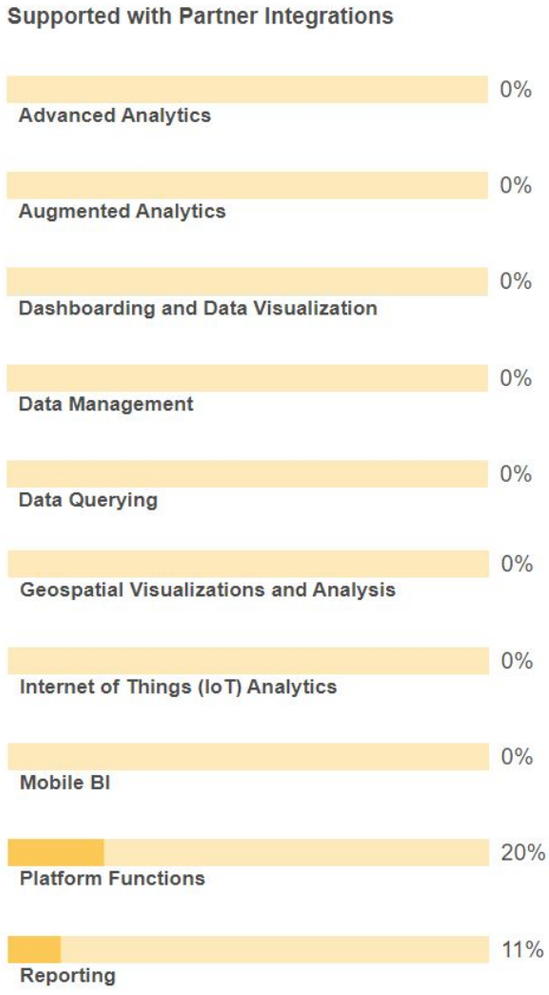
Moderately Supported Out of the Box

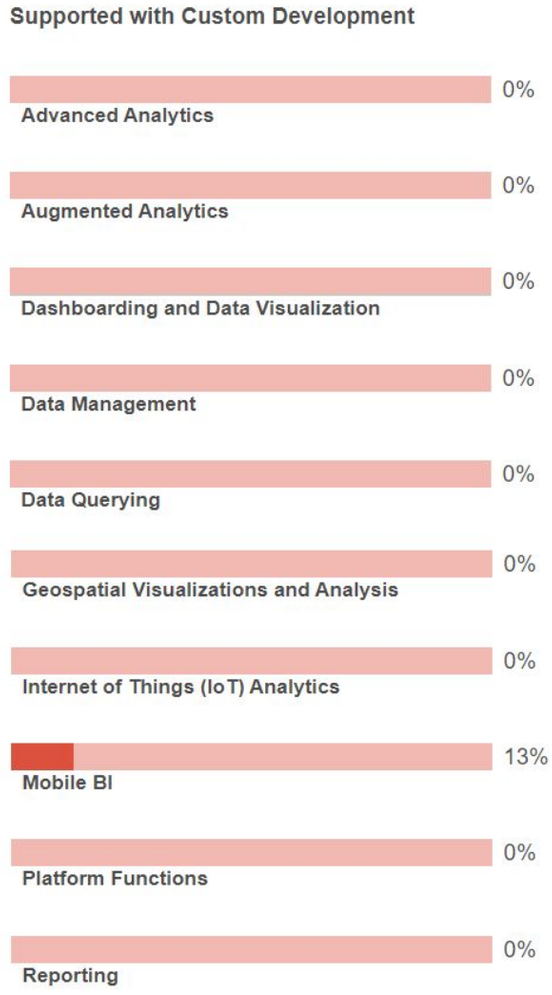
Advanced Analytics	27%
Augmented Analytics	23%
Dashboarding and Data Visualization	0%
Data Management	0%
Data Querying	0%
Embedded Analytics	17%
Geospatial Visualizations and Analysis	0%
Internet of Things (IoT) Analytics	33%
Mobile BI	0%
Platform Functions	0%
Reporting	0%

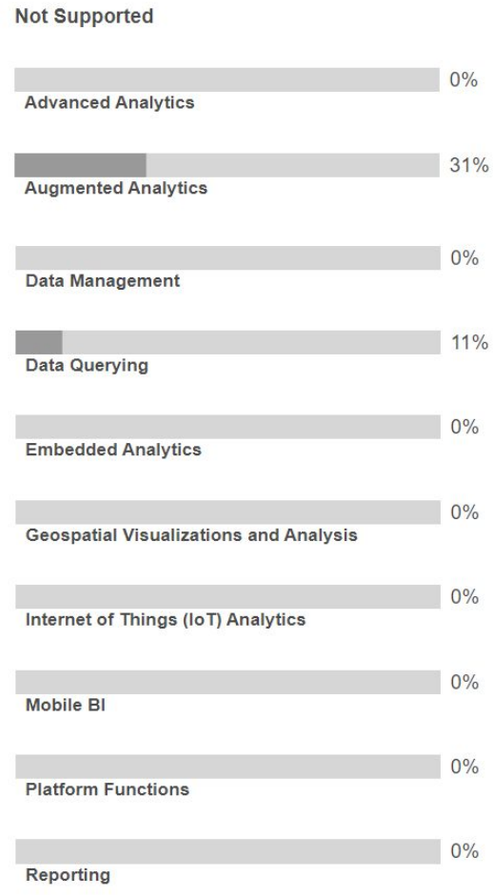
Supported with Workarounds

Advanced Analytics	18%
Augmented Analytics	0%
Dashboarding and Data Visualization	0%
Data Management	0%
Data Querying	0%
Embedded Analytics	0%
Geospatial Visualizations and Analysis	0%
Internet of Things (IoT) Analytics	0%
Mobile BI	0%
Platform Functions	0%
Reporting	0%









19% of the requirements input by users on SelectHub platforms were not supported by Qlik Sense.

Awards

The Qlik Sense team has been awarded the **Users Favorite** award based on user ratings and reviews data.

These awards illustrate this product team's excellence in listening to its users and delivering the experience they really need.

Requirement Groups - Majority of Document

Functional Requirements

Advanced Analytics

Fully Supported

Advanced Data Analysis using Python and R

The solution supports advanced and sophisticated data manipulation and data analysis by using libraries and packages of Python and R.

Fully Supported

Scenario and What-if Analysis

The solution facilitates determining how the projected performance is affected by changes in the assumptions that projections are based upon. It helps to compare different scenarios and their potential outcomes based on dynamic parameters or values.

Fully Supported

Segmentation and Cohort Analysis

The solution can slice and dice data along many dimensions, based on specific criteria, and create data groups for further analysis.

Supported with Workarounds

Time-series Analysis and Forecasting

The solution facilitates the analysis of the ordered sequence of values of a variable at equally spaced time intervals. It also helps in forecasting future trends based on past and present data and trends using forecasting methods like exponential smoothing, linear trend, moving average, regression, ARIMA, SARIMA, SARIMAX, etc.

Requirement Groups - Majority of Document.

Functional Requirements

Advanced Analytics

Moderately Supported Out of the Box

Regression Analysis

The solution facilitates regression analysis to analyze the relationships between a set of independent variables and a single dependent variable, generate a model that describes these relationships, and use the model to make predictions. It supports various types of regression analysis like linear, logistic, exponential, polynomial, ridge and multivariate.

Fully Supported

Statistical Functions

The solution allows using simple and advanced statistical functions like mean, mode, median, skew, variance, standard deviation, kurtosis, correlation, covariance and more to perform statistical analysis of the dataset.

Moderately Supported Out of the Box

Text Mining (Text Analytics)

The solution allows exploring and analyzing large amounts of unstructured text data and identifying concepts, patterns, topics, keywords and other attributes in the data.

Moderately Supported Out of the Box

Sentiment Analysis

The solution offers sentiment analysis to evaluate text-based on words and phrases that indicate a positive, neutral or negative emotion.

Requirement Groups - Majority of Document.

Functional Requirements

Augmented Analytics

Augmented Data Preparation

Fully Supported

The solution leverages machine learning (ML) automation to augment data profiling and data quality, harmonization, modeling, manipulation, enrichment, metadata development and cataloging. Capabilities include automated matching, joining, profiling, tagging and annotating data prior to data preparation, sensitive attribute recognition, automating repetitive transformations and integrations, data quality, and enrichment recommendation.

Key Driver Analysis

Moderately Supported Out of the Box

The solution leverages Machine Learning (ML) to automatically identify the most important key drivers or attributes of a given metric in a dataset.

Text-Based and Voice-Based Natural Language Search

Fully Supported

The solution offers interfaces to search through the data using natural language statements in the text.

Contextualized or Relevant Insights

Fully Supported

The solution leverages machine learning (ML) to automate insight generation that incorporates explicit and/or implicit usage and feedback data from users to display content that is most relevant for their role and use cases.

Requirement Groups - Majority of Document.

Functional Requirements

Augmented Analytics

Automated Descriptive Insights

Fully Supported

The solution leverages machine learning (ML) to automatically present basic insights such as variances, associations, correlations or trends from a column or dataset before a content author begins actively exploring the data. These insights are typically displayed as a brief natural language description or sample visualizations.

Automated Algorithm Selection and Model Tuning

Not Supported

The solution leverages machine learning (ML) to automate the process of selecting the appropriate algorithm to fit a given use case. It also automatically adjusts the hyperparameters of an algorithm to improve accuracy and optimize the predictive model.

Autogenerated Forecasts or Predictions

Fully Supported

The solution leverages machine learning (ML) to create a forecast or prediction automatically.

Automated Anomaly Alerting

Supported with Additional Modules

The solution leverages machine learning (ML) to offer automated alerting, notification or proactive display of outliers/anomalies based on changes in the data. This feature is not a manual threshold-based alerting or visual depiction of statistical outliers within a dashboard object.

Requirement Groups - Majority of Document.

Functional Requirements

Dashboarding and Data Visualization

Fully Supported

Interactive Data Visualizations

The solution provides charts, graphs and visualizations with interactions such as scaling, linking, tooltip, mouse and touch events.

Fully Supported

Advanced Visualizations Using Python and R

The solution supports creating advanced and sophisticated visualizations by using libraries and packages of Python and R.

Fully Supported

Auto-Charting

The solution guides users by suggesting the best suitable visualization for graphical representation of the selected data.

Fully Supported

Visualizations with Drill-Down and Drill-Up

The solution provides drill-down and drill-up capabilities to explore multidimensional and hierarchical data, directly from visualizations. The drill-down capability helps to navigate from high-level views to specific data views at the click of a mouse. The drill-up capability helps to navigate from a detailed view to a summarized view.

Requirement Groups - Majority of Document.

Functional Requirements

Data Management

Fully Supported

Advanced Data Preparation using Python and R

The solution supports advanced and sophisticated data preparation including pre-processing, profiling, cleansing, validation and transformation by using libraries and packages of Python and R.

Fully Supported

Data Blending

The solution enables data blending as a feature by combining multiple datasets to create a single, new dataset, which can then be processed or analyzed.

Fully Supported

Data Exploration

The solution should be able to explore a large, unstructured data set which to uncover initial patterns, characteristics and points of interest, and describe it using statistical and visualization tools and techniques.

Fully Supported

Data Modeling

The solution enables creating data models by mapping out, diagramming and visualizing all the different places that an application stores the information at, and how these sources of data will fit together and flow into one another.

Requirement Groups - Majority of Document.

Functional Requirements

Data Querying

Fully Supported

Query Multiple Data Sources

The solution can query and present data from multiple types of data sources (relational, XML, CSV, OLAP, Web Services, etc.) and various data structures (i.e., multiple schemas, aggregated data) in a single business view.

Fully Supported

In-Memory Analysis

The solution supports executing queries on the data residing within the main memory of the computing environment, as opposed to querying data that is stored on physical disks.

Not Supported

Multi-Pass SQL

The solution can break reports into components to be queried separately in parallel and thus improve performance.

Fully Supported

Visual Querying

The solution helps construct complex database queries without the knowledge of SQL statements by using code-free drag-and-drop visual tools to enable finding the desired data across a combination of different sources.

Requirement Groups - Majority of Document.

Functional Requirements

Embedded Analytics

Embedded Analytics

Fully Supported

The solution provides analytics capabilities within the context of an embedding application. It integrates capabilities such as interactive dashboards, reporting, data analysis and more into the embedding application.

Embedded Multi-Tenancy

Fully Supported

The solution treats the customers (or group of users) of the embedding application as "tenants" and provides a built-in multi-tenancy feature to maintain separation of data between the tenants. This requirement is achieved by various methodologies like workspace-based isolation or creating a separate workspace for each tenant.

Background Processing

Moderately Supported Out of the Box

The solution should be able to run invisibly in the background to provide data values to the embedding application.

Geospatial Visualizations and Analysis

Geospatial Functions and Calculations

Supported with Additional Modules

The solution enables geographic calculations and functions to transform geospatial data and perform geospatial analysis.

Requirement Groups - Majority of Document.

Functional Requirements

Geospatial Visualizations and Analysis

Geographic Search

Fully Supported

The solution offers a geographic map search functionality to find locations on the fly in a map view, without knowing the geographic coordinates.

Maps and Geospatial Visualizations

Fully Supported

The solution supports visualization of spatial data into various types of interactive map visualizations like proportional symbol maps, choropleth maps, dot distribution maps, heatmaps (density maps), flow maps (path maps), spider maps (origin-destination maps), dual-axis (layered) maps and more.

Internet of Things (IoT) Analytics

Streaming Analytics

Moderately Supported Out of the Box

The solution enables real-time and continuous analysis of time-based data as it is being created, before it is stored and even at the instant it is streaming from one device to another. It is also known by terms like Complex Event Processing (CEP) or Events Stream Processing (ESP).

Edge Analytics

Supported with Additional Modules

The solution enables processing and analysis of IoT data at the edge, close to its point of generation, without having to move it to a centralized location. It complements edge computing by enabling analytics at the moment data is being generated.

Requirement Groups - Majority of Document.

Functional Requirements

Mobile BI

Native Mobile Apps

Fully Supported

The solution offers native mobile apps on Android or iOS platforms.

Mobile Dashboards and Reports

Fully Supported

The solution offers mobile-optimized dashboards and reports with interactive and drill down/up capabilities.

Platform Functions

Collaboration and Information Sharing

Fully Supported

The solution allows users to interact and share visualizations and reports via team messaging and collaboration platforms, emails, discussion threads and more.

Decentralized Analytics Environment

Fully Supported

The solution allows users to interact and share visualizations and reports via team messaging and collaboration platforms, emails, discussion threads and more.

Requirement Groups - Majority of Document.

Functional Requirements

Reporting

Ad-Hoc Reporting

Fully Supported

The solution offers an intuitive platform for non-technical users to create and distribute reports on the fly, without any assistance from the IT team.

Auto-Schedule Reports

Supported with Additional Modules

The solution facilitates the automatic delivery of reports at recurring time schedules.

Interactive Reporting

Fully Supported

The solution offers interactive reporting and enables end-users to interact with different report views dynamically.

Reports Exporting

Fully Supported

The solution allows exporting of reports in various formats such as HTML, Excel, CSV or PDF files.

Requirement Groups - Majority of Document.

Technical Requirements

Availability & Scalability

Dynamic Scaling

Fully Supported

The solution should be able to automatically scale the resources to accommodate varying throughput at different times of the day.

Fault Tolerance

Fully Supported

The solution is built with fault tolerance architecture and capabilities to recover from any single point of failure automatically.

High Availability

Fully Supported

The system provides for high availability through means such as redundant backup servers, cloud nodes or other methods.

Scalability

Fully Supported

The solution should be horizontally and vertically scalable.

Requirement Groups - Majority of Document.

Technical Requirements

Data Sources Connectivity

Fully Supported

Big Data Ecosystem

The solution connects to various tools and platforms related to a big data ecosystem like Apache Hive, Apache Spark SQL, Cloudera Hive, Cloudera Impala, Databricks Cloud, Hortonworks, MapR Drill, Pivotal HAWQ, Google BigQuery, Presto, Neo4J and others.

Fully Supported

Cloud Files Storage Systems

The solution connects to popular cloud storage and synchronization systems like Google Drive, OneDrive, Dropbox and more.

Fully Supported

Relational Databases

The solution connects to relational databases such as Oracle, SQL Server, MySQL, PostgreSQL, Sybase ASE, IBM DB2 and more.

Fully Supported

Standard Files

The solution enables creating datasets from files like Excel, CSV, XML, JSON, PDF and more.

Requirement Groups - Majority of Document.

Technical Requirements

Extensibility

API Extensibility

Fully Supported

The solution supports API integration using REST or other methods to provide programmatic access for managing data sources, workbooks, content, users, sites and more, and for building custom integration with other solutions.

IDE Support

Fully Supported

The solution supports API integration using REST or other methods to provide programmatic access for managing data sources, workbooks, content, users, sites and more, and for building custom integration with other solutions.

Security

Application Activity Tracking

Moderately Supported Out of the Box

The solution maintains a record of administrative and user actions and generates a report on such activities.

Column Level Security

Fully Supported

The system enables applying column-level security policies and defining which table columns are revealed to any given user, user groups or user roles.

Requirement Groups - Majority of Document.

Technical Requirements

Security

Fully Supported

Encryption

The solution provides encryption capabilities for stored data to ensure that data at rest is protected and in-transit information is secure.

Fully Supported

Row-Level Security (RLS) and User Filtering

The system enables applying row-level security policies and defining which records are revealed to any given user, user groups or user roles.

Supported with Workarounds

Single Sign-on and Trusted Authentication

The solution allows configuring SSO to provide automatic access to users without prompting them to log in separately if they have already authenticated themselves in the corporate authentication system.