

Qlik analytics showcase for leading banking and insurance companies in Azerbaijan

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About me

Qlik Business Intelligence and Integration expert

Mahammad Yagubli

4+ years experience with Qlik Data Analytics and Integration in finance and insurance:

- ABB
- Ateshgah Insurance Company

50+ Qlik applications developed

30+ data sources integrated in Qlik





Key analytics areas for banking

- Customer & Product Profitability
- Portfolio Perfomance
- Client Facing Portals
- Segmentation & Attrition
- Limits & Exposures
- Financial Reporting
- Branch Analysis
- Pricing



















Qlik Sense usage in ABB

Qlik Sense is used since 2019





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Retail Sales

Corporate sales

Marketing







Finance

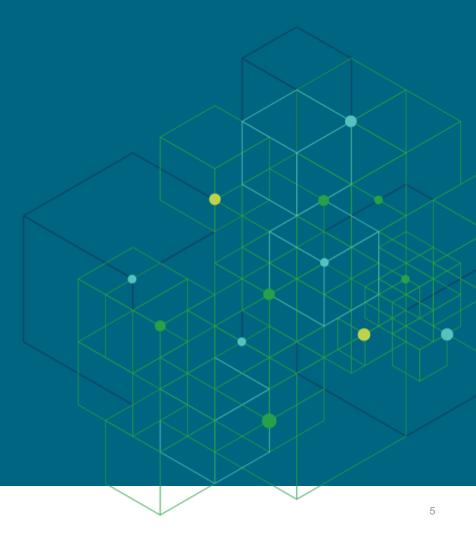
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Qlik Advantages for finance sector

Based on 4+ years of personal experience in banking and insurance companies





Different Use-Cases are possible with Qlik

From self-service to centralized applications and reports

- Qlik supports a variety of analytical use-cases and scenarios (for professional to low-qualified users)
 - Self-service visualization and discovery
 - Interactive dashboards
 - Mobile analytics
 - Reporting
 - Alerting
 - Search & conversational analytics
 - Custom and embedded analytics
 - AutoML







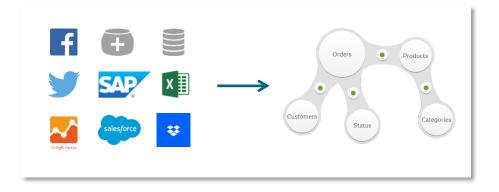




Big (and Small) Data Integration

Bring together and prepare limitless combinations of data

- Smart, self-service data preparation with association recommendations, intelligent profiling, and visual transformation
- Powerful ETL scripting for complex data integration challenges
- Broad connectivity to file based, on premise, cloud, and web sources
- On-demand app generation for analyzing "slices" of big data.





My experience with data sources integration to Qlik



Databases

- Oracle
- NoSQL
- MongoDB
- MSSQL



Cloud services

- Google Analytics
- Various marketing cloud services and web-pages



Enterprise applications

- ERP systems (various)
- Salesforce
- Jira
- Wrike



Files

- Excel
- Qvd
- Plain Text

+ REST connection to multiple data sources



The Qlik Associative Engine

Driving interactive, free-form exploration and analysis

Data indexed and highly optimized

Data integration

- Brings together many data sources
- Unifies full set of record-level data
- No lost data, no double counting
- No need for SQL joins at load time

Compressed binary index

- Compressed binary data format
- Highly optimized, in-memory cache
- Maximizes performance
- Drives associative user experience



'Speed of thought' calculation after every click

Logical inference

- Sets global context (selection state)
- Determines associations across all related tables based on global context
- Highlights associated and unrelated values for users in green/white/gray

Dynamic calculation

- Recalculates all analytics from record-level data based on global context
- Delivers 'speed-of-thought' response
- Supports high numbers of users and massive, complex data sets

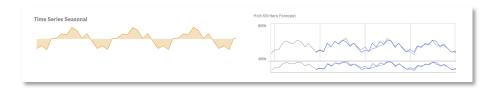


Open Customization and Extension

Customize, extend, and embed for new use cases and capabilities

- A complete set of open and standard APIs for customization and extension
 - Mashups and custom apps
 - Embedded analytics in operational apps
 - Extensions for new types of visualizations and functionality
- Advanced analytics integration delivers the power of third-party data science / predictive models to business users
 - Real-time, visual exploration of calculations from predictive models
 - Pass data to and get instant calculations from third party engines, as the user makes selections
 - Open source connectors for R and Python

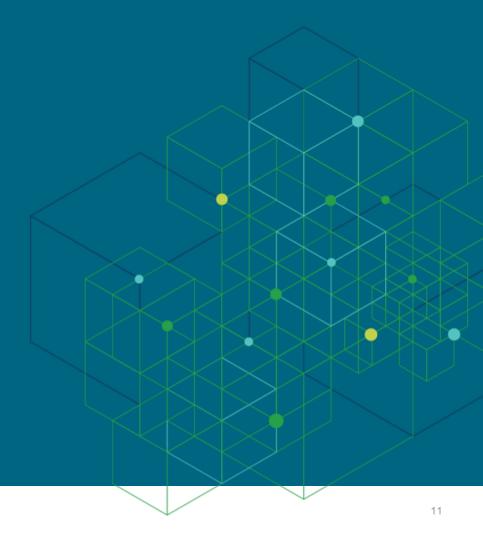






Qlik Applications for finance sector

Real-life examples



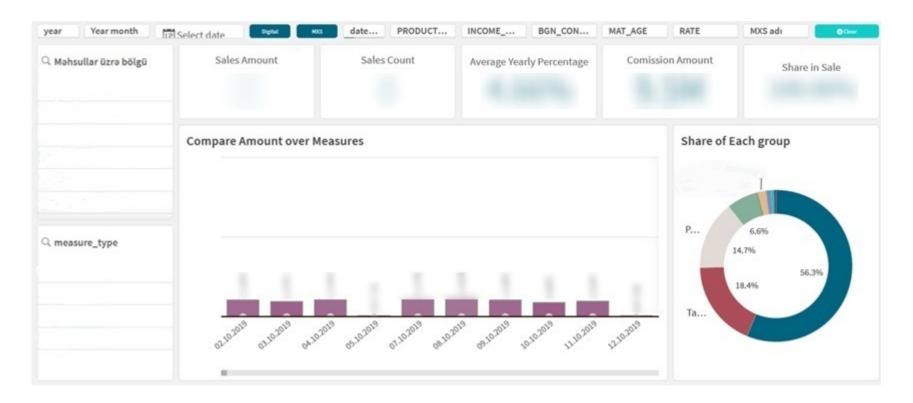


Qlik extension example in practice



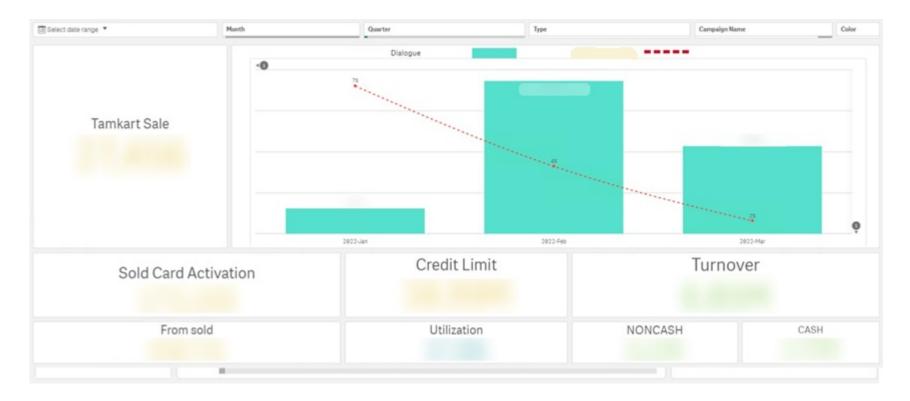


Overall sales analytics



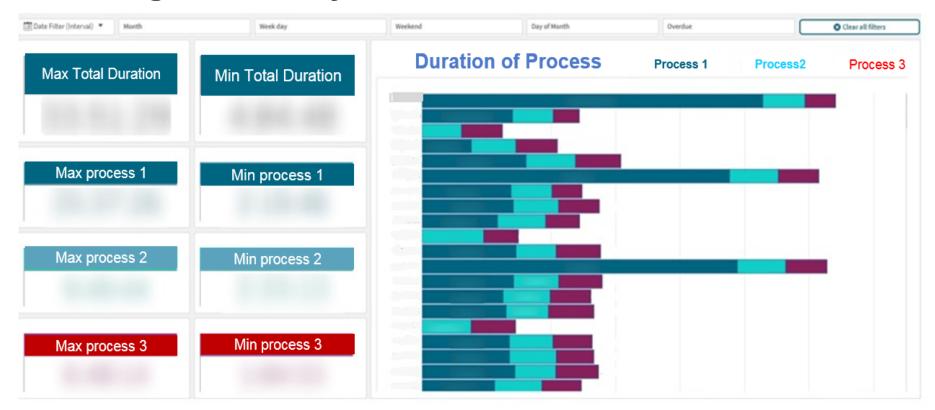


Sales KPI analytics for credit card





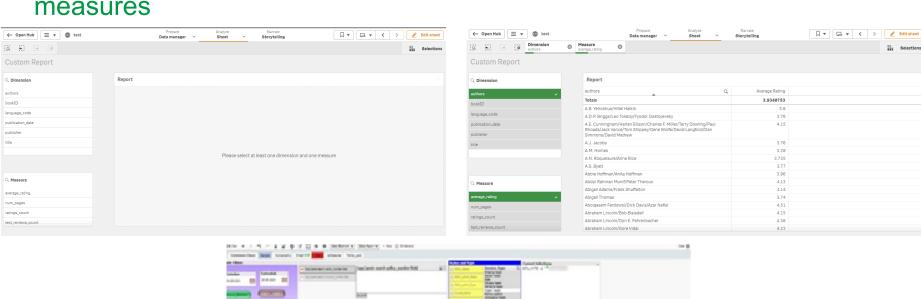
Qlik usage for IT analytics





Self-service reporting (ad-hoc) in Qlik Sense and QlikView

Any user can customize report by choosing necessary dimensions and measures



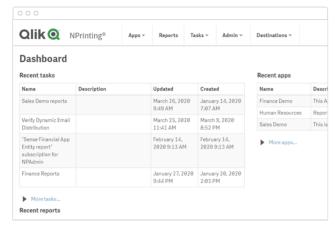
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Plans to go further with Qlik analytics

Qlik NPrinting:

- Multi-channel delivery (email, web, portal, corporate directory, Qlik Sense Hub)
- On-demand reporting



Qlik AutoML:

- Code-free
- ML experience for analytics teams to test hypothesis by themselves, without distracting ML/DS specialists

