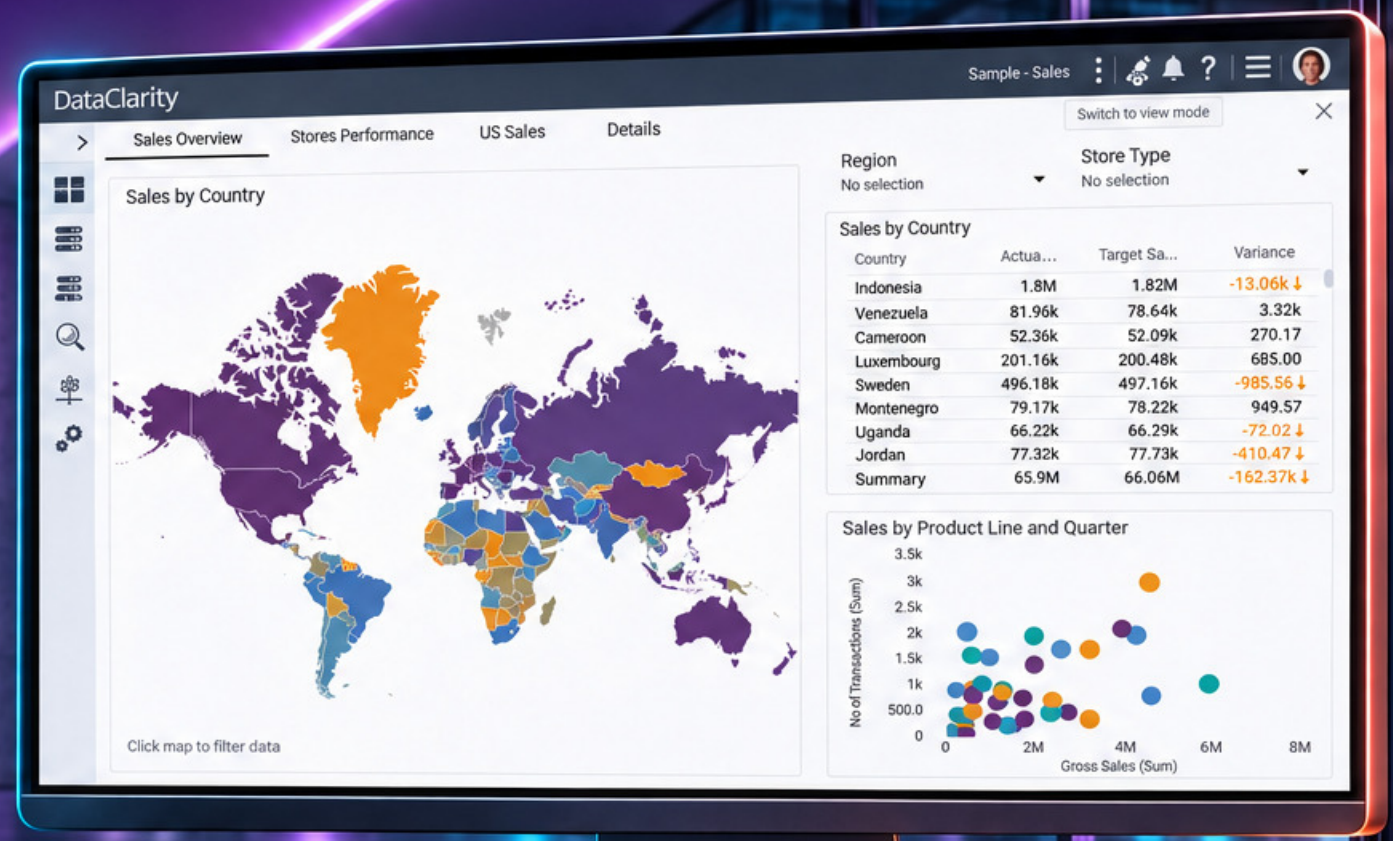
DataClarity

Self-service analytics platform

ADVANCED DASHBOARDS. ENTERPRISE DEPTH.

Used by Apple, IKEA, Nike, Boeing



Emilian Manolache

Full-Stack Engineer & Engineering Team Lead

Dashboard & visualization engineering / Data connectors & processing / Cross-functional team leadership

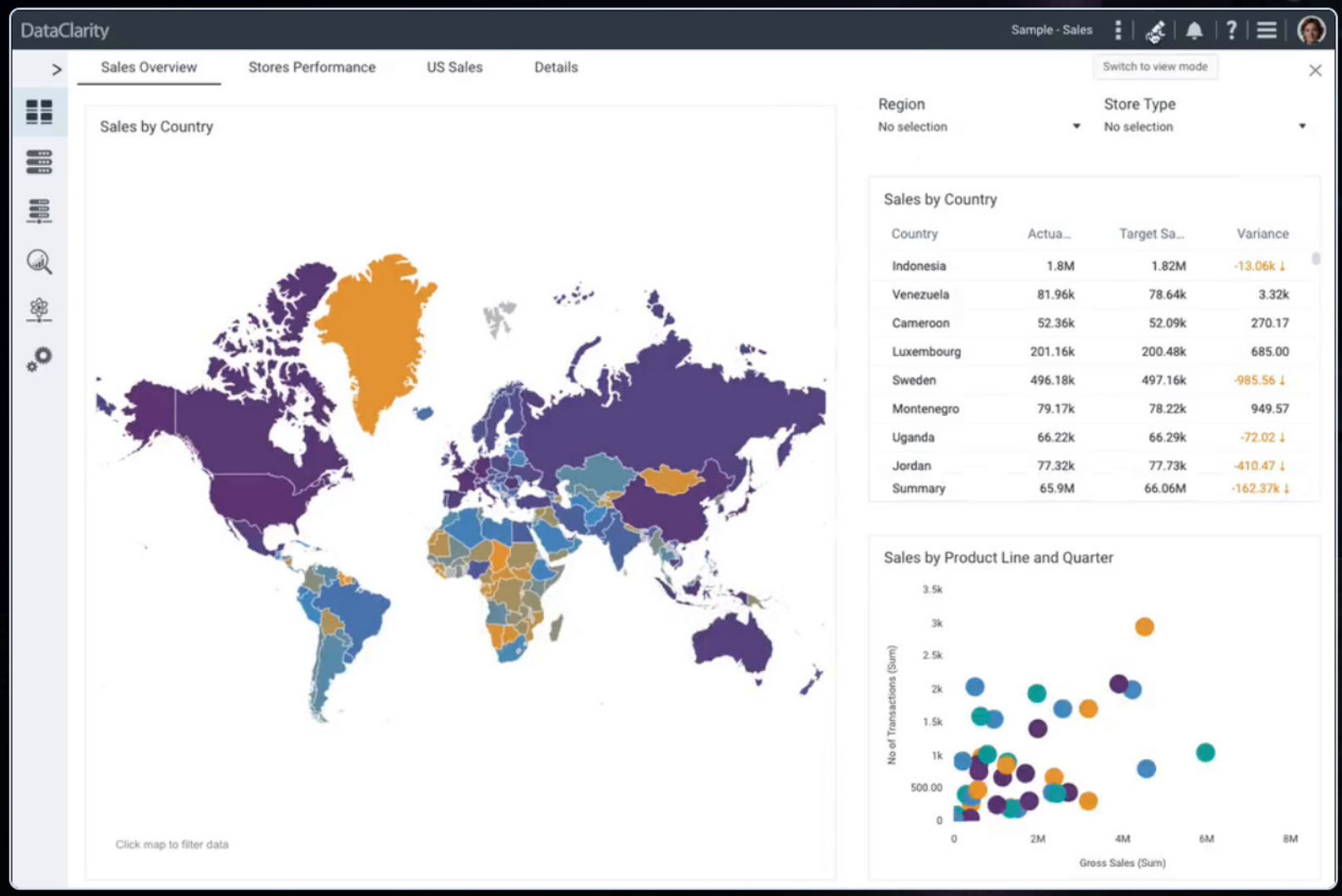
2013–2019

DataClarity

ENTERPRISE ANALYTICS

BUSINESS DATA.
AN INTERACTIVE EXPERIENCE.

I built dashboard and visualization experiences that helped people explore complex analytical data.



EXPLORE

Maps, charts and tables in one analytical view.

COMPOSE

Flexible widgets and multi-page storyboards.

CONFIGURE

Detailed visualization and dashboard settings.

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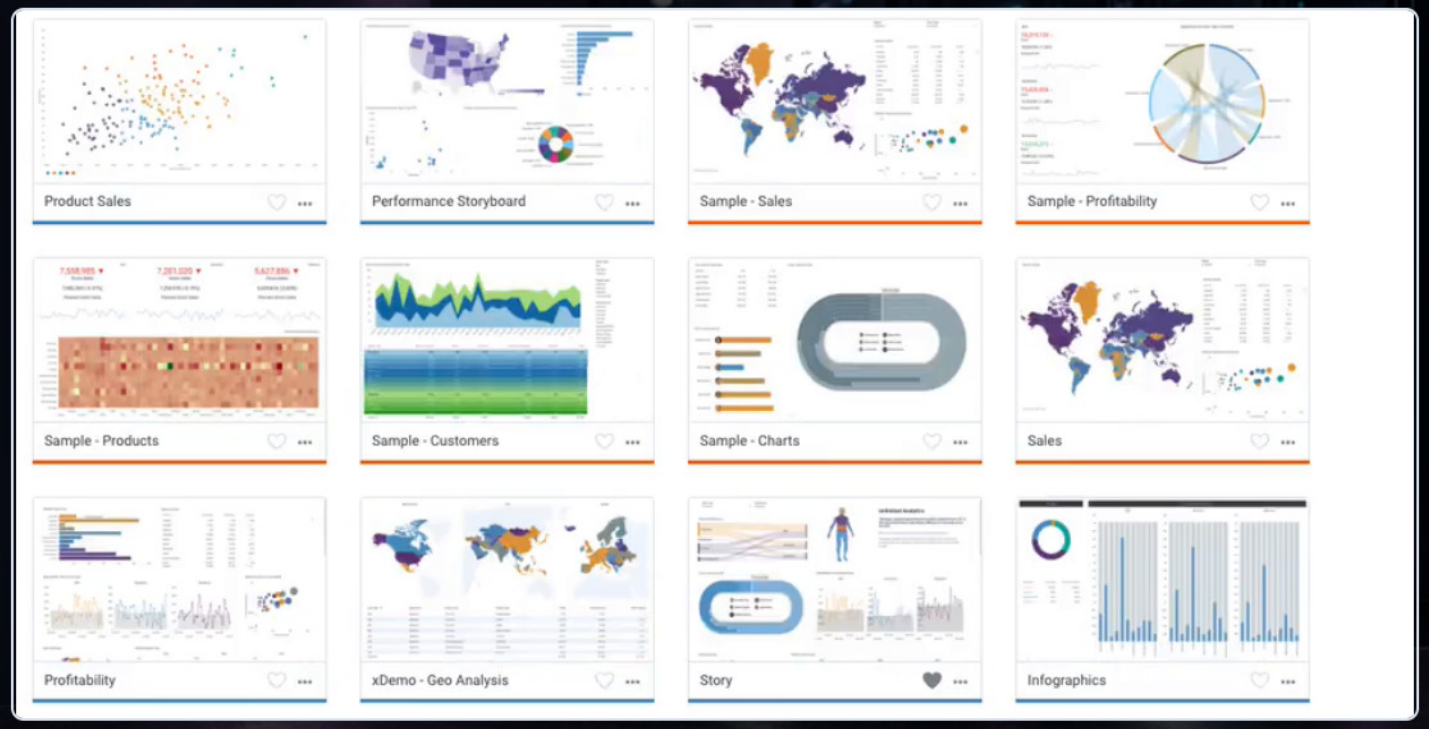
80+ VISUALIZATION TYPES

Graphical, tabular and geospatial views across the platform's analytical library.

80+

interactive types

A broad visual vocabulary for patterns, comparisons, relationships and geography.

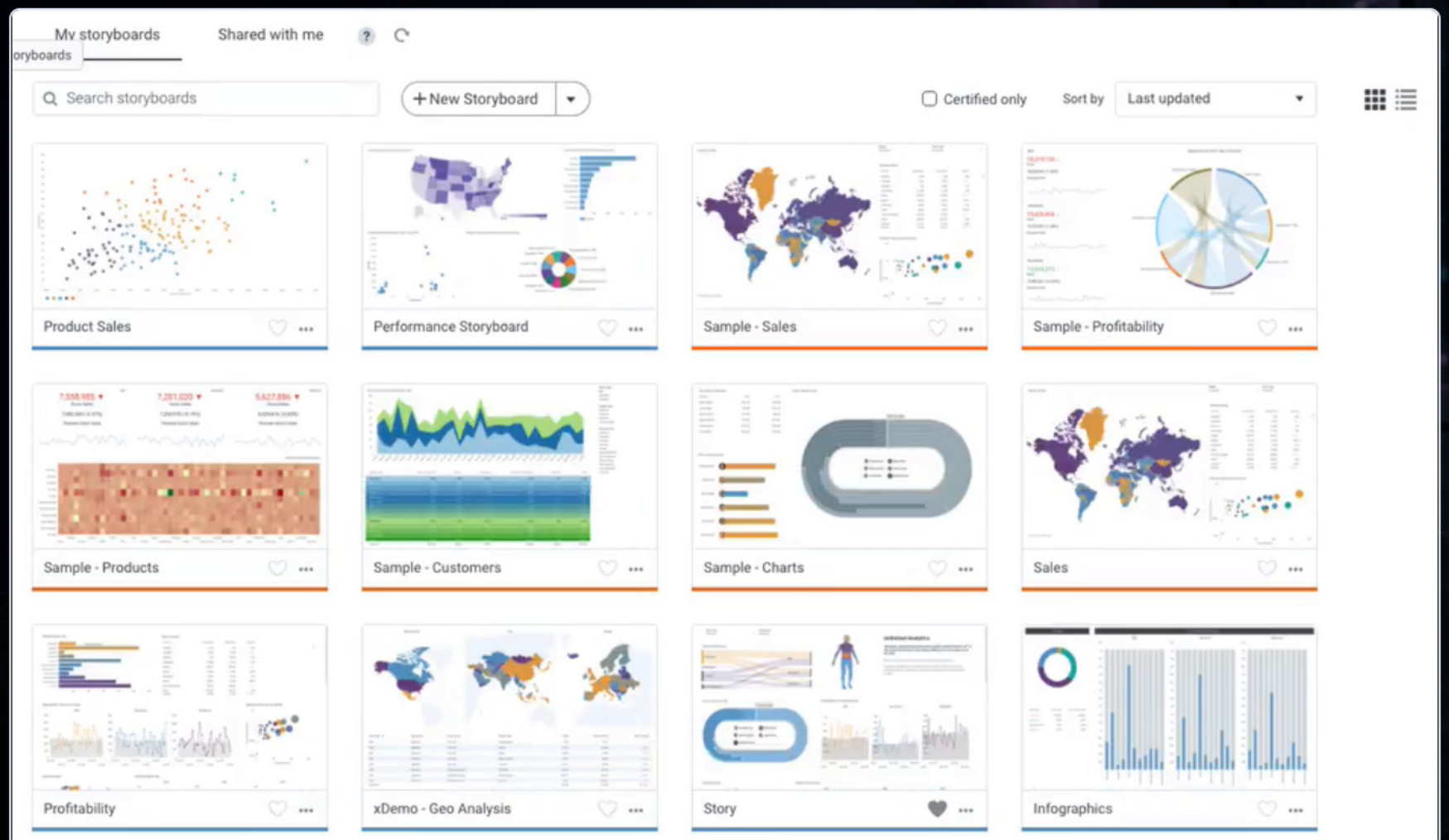


I built the interfaces and settings for configuring visualizations and composing dashboards.

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A GALLERY OF ANALYTICAL WORKSPACES

Storyboards organize reusable analytical views around the questions people need to answer.



FIND THE RIGHT VIEW

Search storyboards.
Browse personal and shared views.
Open a workspace.

A visual entry point to the organization's analytical content.

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GEOSPATIAL EXPLORATION

GEOGRAPHY AND PERFORMANCE IN THE SAME VIEW

Interactive maps connect regional patterns with the surrounding business measures.



FILTERS AND COUNTRY DETAIL

Region
No selection

Store Type
No selection

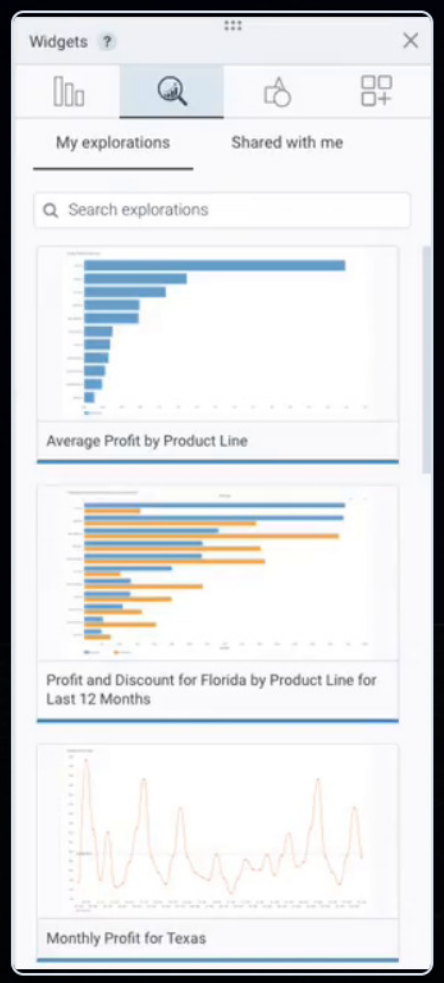
Sales by Country

Country	Actua...	Target Sa...	Variance
Indonesia	1.8M	1.82M	-13.06k ↓
Venezuela	81.96k	78.64k	3.32k
Cameroon	52.36k	52.09k	270.17
Luxembourg	201.16k	200.48k	685.00
Sweden	496.18k	497.16k	-985.56 ↓
Montenegro	79.17k	78.22k	949.57
Uganda	66.22k	66.29k	-72.02 ↓
Jordan	77.32k	77.73k	-410.47 ↓
Summary	65.9M	66.06M	-162.37k ↓

DRAG AN EXPLORATION INTO THE STORYBOARD

The widget library connects existing analytical content to the page being composed.

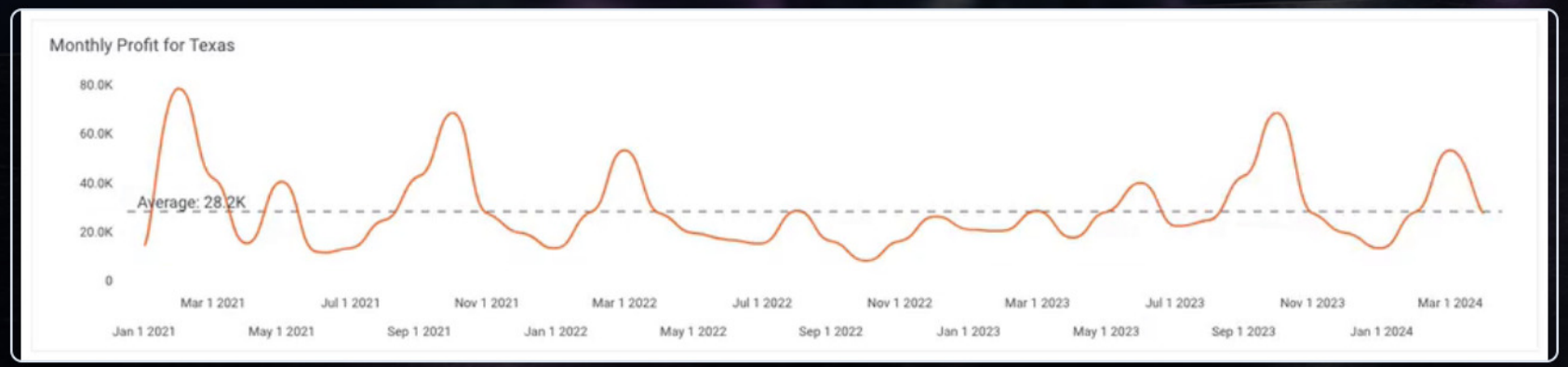
REUSABLE EXPLORATIONS



PLACE THE CHART



Choose an exploration.
Drag it into the layout.
Use it as a storyboard widget.

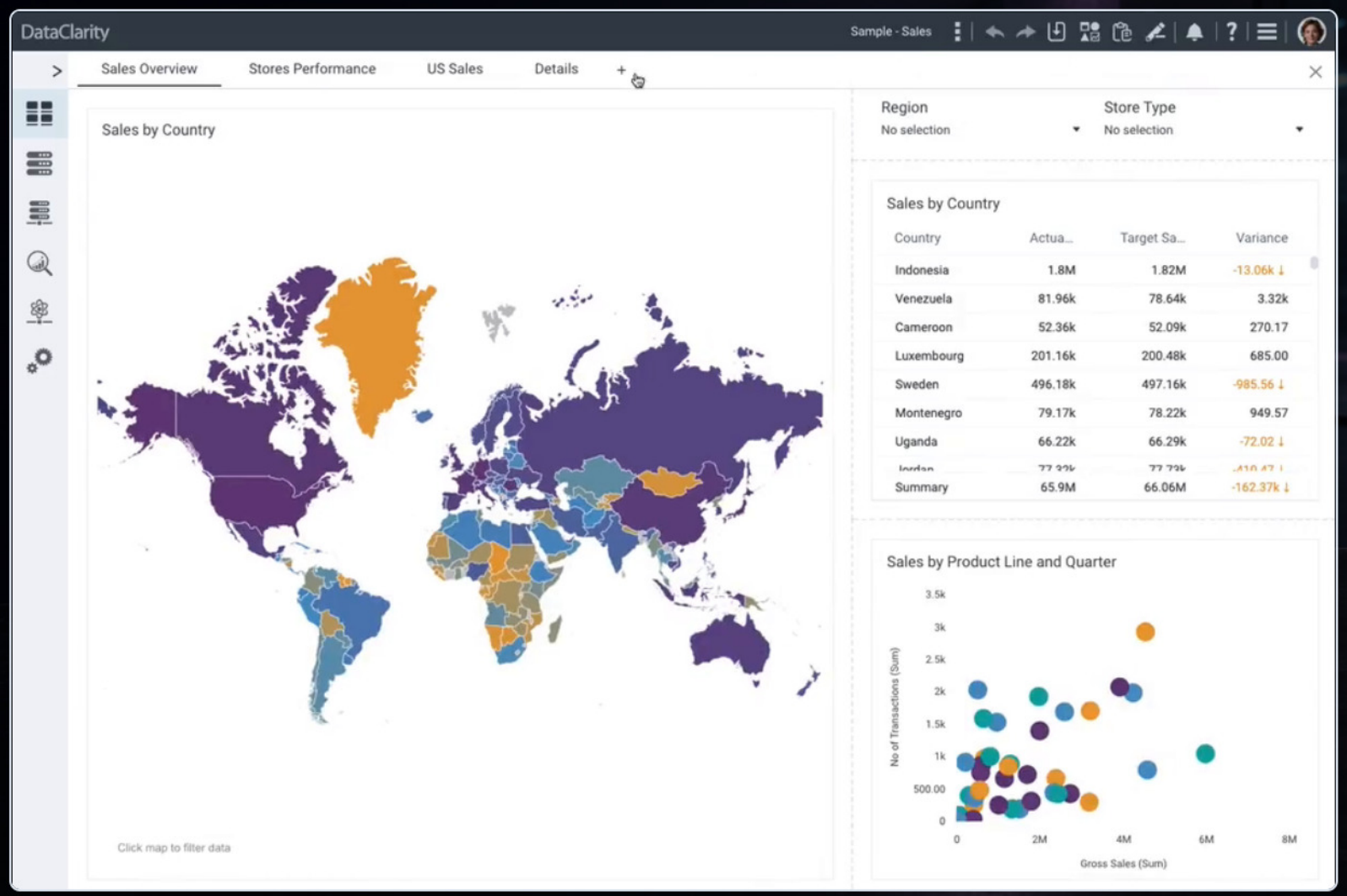


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LAYOUT ENGINEERING

WIDGETS FORM A COHERENT DASHBOARD

Flexible layouts combine different analytical views while preserving their individual purpose.



PAGE STRUCTURE

Multi-page storyboards and navigation.

WIDGET LAYOUT

Arrange visualizations within the dashboard.

ANALYTICAL CONTEXT

Keep maps, measures and comparisons together.

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VISUALIZATION ENGINEERING

CONTROL THE CHART.
SHAPE THE EXPERIENCE.

My frontend work included chart settings, appearance controls and analytical interaction.

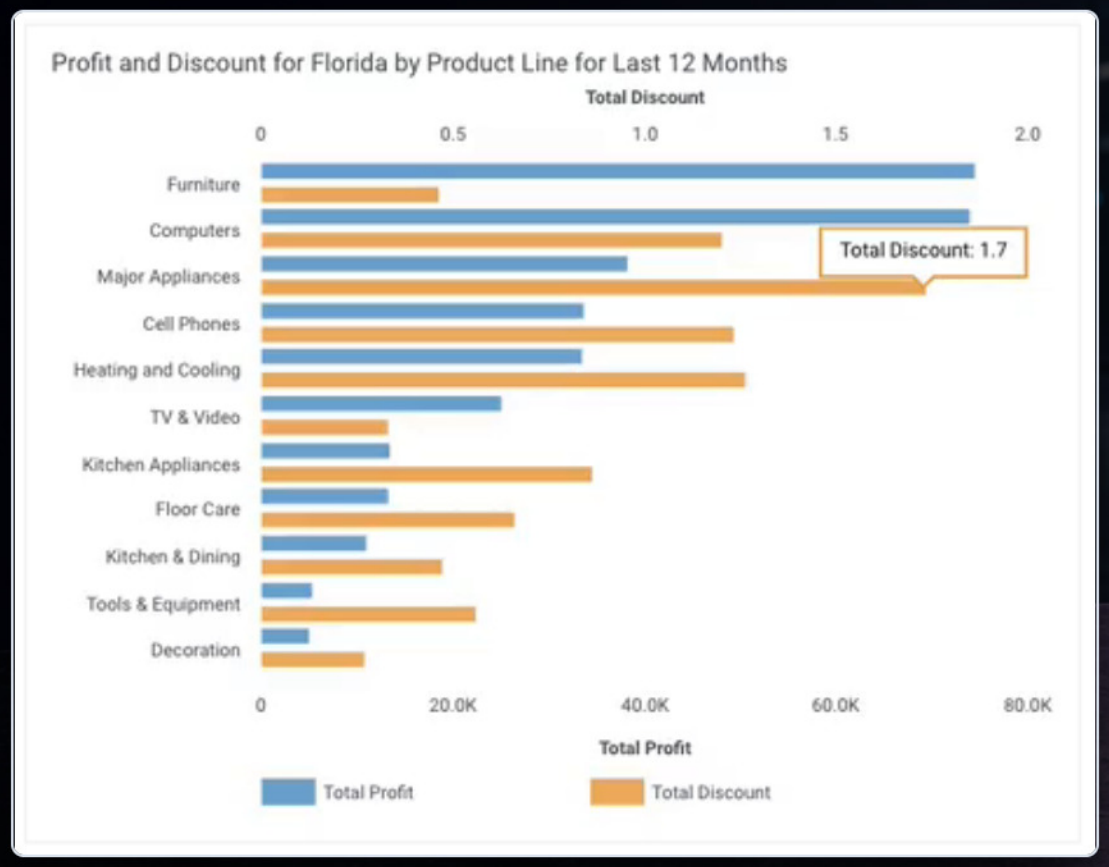


CHART CONFIGURATION

Choose how data appears in the visualization.

APPEARANCE AND FORMATTING

Refine styling, labels and the visual presentation.

INTERACTION

Use analytical controls and contextual chart details.

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ONE STORYBOARD.
MULTIPLE WAYS TO DELIVER IT.

The platform supports sharing and embedding analytical experiences in portals and applications.

PERSONAL AND SHARED CONTENT



Compose

Build a multi-page analytical experience.

→

Share

Make the storyboard available to others.

→

Embed

Deliver it through a portal, website or application.

Layout, styling, navigation and interaction travel with the analytical view.

DataClarity

100+ DATA-SOURCE TYPES

Platform breadth across diverse enterprise data environments.

100+

data-source types

Files and databases.
Cloud applications.
Enterprise data platforms.

MY CONNECTOR WORK

Modular JAR adapters

Connect data sources through the backend integration layer.

↓

Java / Spring Boot

Process data and deliver analytical results to the frontend.

Connector engineering formed part of my expansion into full-stack development.

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BACKEND ENGINEERING

THE ENGINEERING BEHIND THE ANALYTICAL VIEW

My backend work covered data connectors, processing logic and optimized frontend delivery.

Access data

Modular connector
and adapter boundaries.

→

Process results

Java / Spring Boot
processing and optimization.

→

Deliver analytics

Prepare data for the
dashboard experience.

PLATFORM DATA SERVICES

Data preparation and virtualization

Bring data from different systems
into usable analytical datasets.

Query processing and caching

Support repeated analytical access
through the platform's data layer.

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SYSTEM ARCHITECTURE

MODULAR DATA SERVICES.
RICH DASHBOARD EXPERIENCES.

Frontend, backend and deployment technologies support the same analytical workflow.

JavaScript / AmCharts — Dashboards, widgets, chart settings and storyboards

↓

Java / Spring Boot microservices — Processing and analytical data delivery

↓

Modular JAR data adapters — Connectors to enterprise data sources

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CONTAINER DEPLOYMENT

Docker / Kubernetes

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CAREER PROGRESSION

FROM FRONTEND ENGINEER TO ENGINEERING LEAD

2013–2019 · Full-Stack Engineer & Engineering Team Lead

2013

Frontend development

Built dashboards, visualization interfaces, widget settings and analytical controls.

2014

Full-stack development

Expanded into Java / Spring Boot, data connectors, processing and frontend delivery.

2015-2019

Engineering team lead

Led frontend, backend and QA delivery across the enterprise analytics experience.

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CROSS-FUNCTIONAL LEADERSHIP

LEADING DELIVERY ACROSS THE STACK

Engineering Team Lead · 2015–2019

UP TO

6

contributors

Frontend, backend and QA.

TECHNICAL AND DELIVERY RESPONSIBILITY

Connect the user experience to backend engineering.

Coordinate development and QA across the analytical product.

Reporting directly to the CEO and vice president.

DataClarity

ENTERPRISE REACH.
IBM RECOGNITION.

During my tenure, executives from these organizations used DataClarity's analytics platform.

Apple

IKEA

Nike

Boeing

Multiple IBM awards

earned by DataClarity for its analytics and cloud-related solutions.