

# BI modernization for **financial division** of a leading real estate data analytics company.

Created Looker applications for data-driven decision-making and improved planning by establishing a single version of truth.



## Introduction

Each year, the commercial tax solutions department handles and reports on billions of dollars in property taxes. Previously relying on Excel, the customer sought enhanced reporting experience with slicing and drilling capabilities.

## Business Challenge

- ✦ The reports, which were maintained by analysts using excel in a shared space were not directly accessible to the business, they also exhibited poor performance.
- ✦ Reports had no drilling capability for root cause analysis.
- ✦ Data from SQL server and Cockroach DB had to be combined for holistic reporting.
- ✦ Reports were being shared manually with external clients.

## Technology Stack



## Solution and Highlights:

- Centralized data from transactional databases (SQL Server & Cockroach DB) is transformed and merged into a GBQ Datawarehouse.
- Migrated from legacy BI platform to create more engaging and user-friendly data experiences for various subject areas.
- For better performance, reports are developed using Datawarehouse as source data instead of transactional database.
- Easy navigation and drilling capability are built into Looker dashboard, enabling the users to view data at various levels like Agency, Client, and Geography.



## ● Benefits and Results

Commercial Business now has the following advantages.

- Looker dashboards readily provide visual and detailed data at a click of a button, hence eliminating the need to wait for analysts to provide the reports.
- Dashboards have been integrated into the portal and are catered to external clients.
- By putting Looker on top of BigQuery, customers can now access, analyze, and visualize from multiple databases on a single dashboard.

## ● Conclusion

Customer gained access to a single dashboard that provides visual and detailed data, eliminating the need to wait for analyst reports. These dashboards are integrated into the Portal, serving external clients.

Additionally, the customer is now able to analyze and visualize data from multiple databases, with slicing and drilling capabilities.

