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# URBAN COLLECTIVE

**Business Intelligence Project**

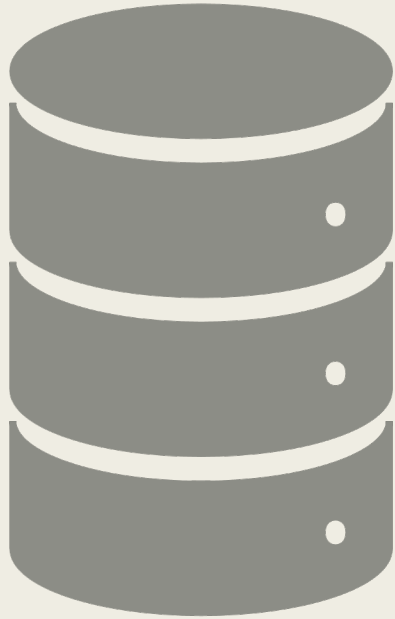
# Introduction

- **Urban Collective:** Dynamic retail venture in urban fashion.
  - *Less than 100 employees, 89 stores across Columbia.*
  - *Annual sales > \$2 million.*
- **Challenges:** Managing data across various systems, low customer retention rate, high marketing costs, and less revenue generation.

## ■ **BI Project Goal?**

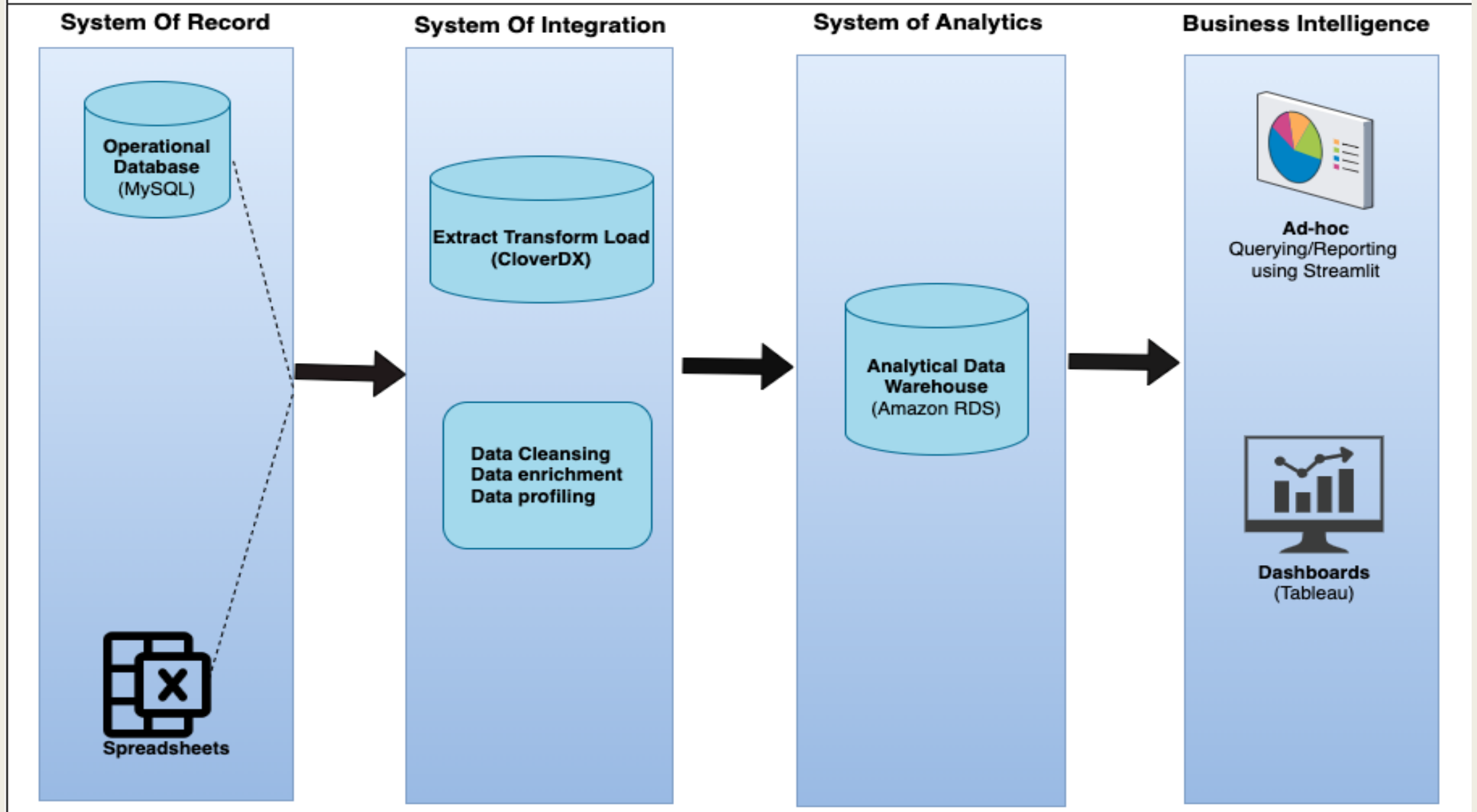
A BI solution will help the management to deep dive to understand the customer segmentation based on order values, sales and reviews of our products and position of the stores.

# Why is a BI solution needed?

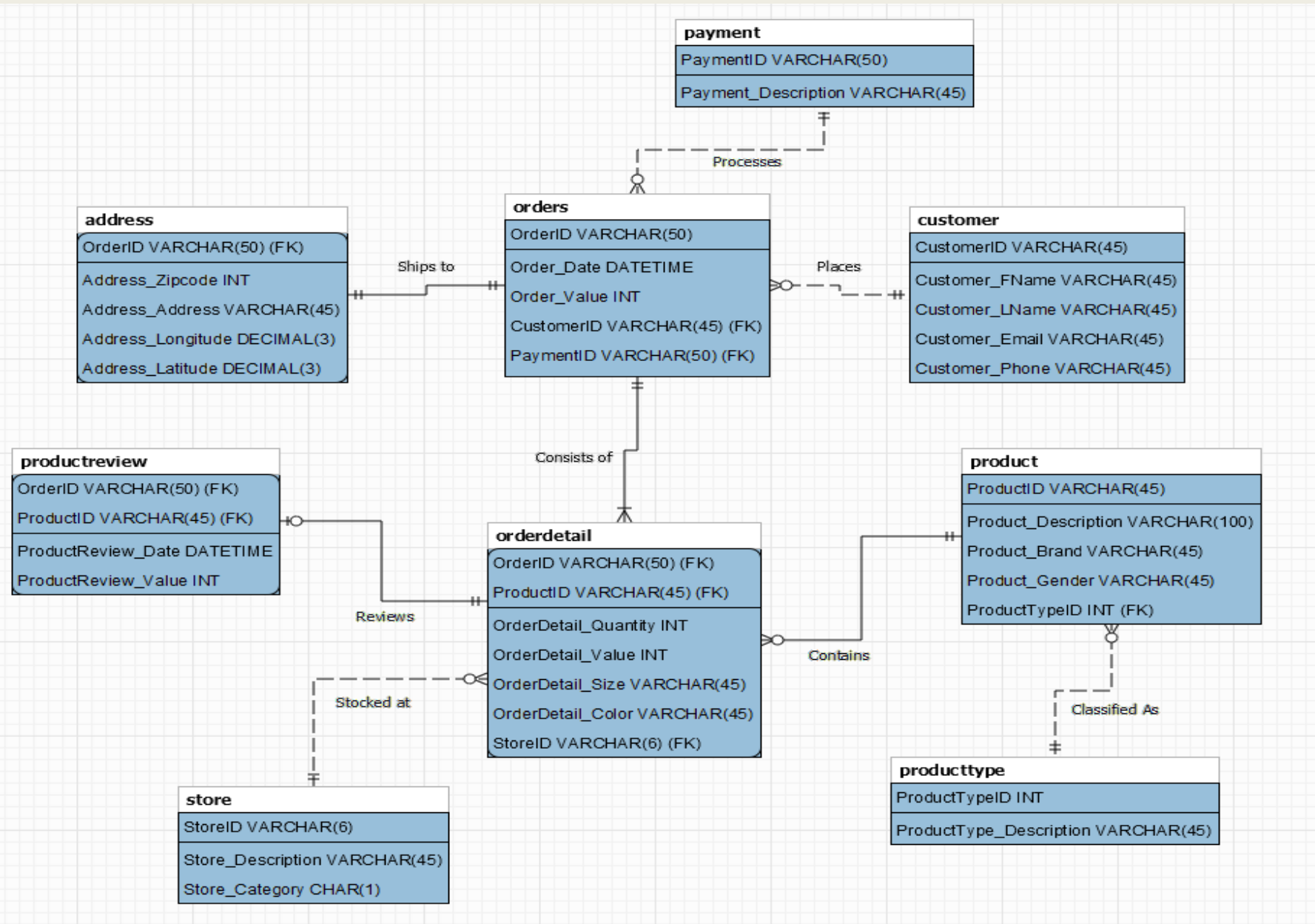


- **Centralized Database System:** Essential for streamlining operations and gaining insights for future growth.
- **Data Warehousing for Insights:** Provides comprehensive business views, anticipating trends and improving decision-making.
- **BI Solution Integration:** Enhances decision-making and customer satisfaction through data-driven strategies.
- **Key Business Metrics in Reporting:** Tracking revenue, customer retention, and market share ensures success.

## Urban Collective's BI Architecture



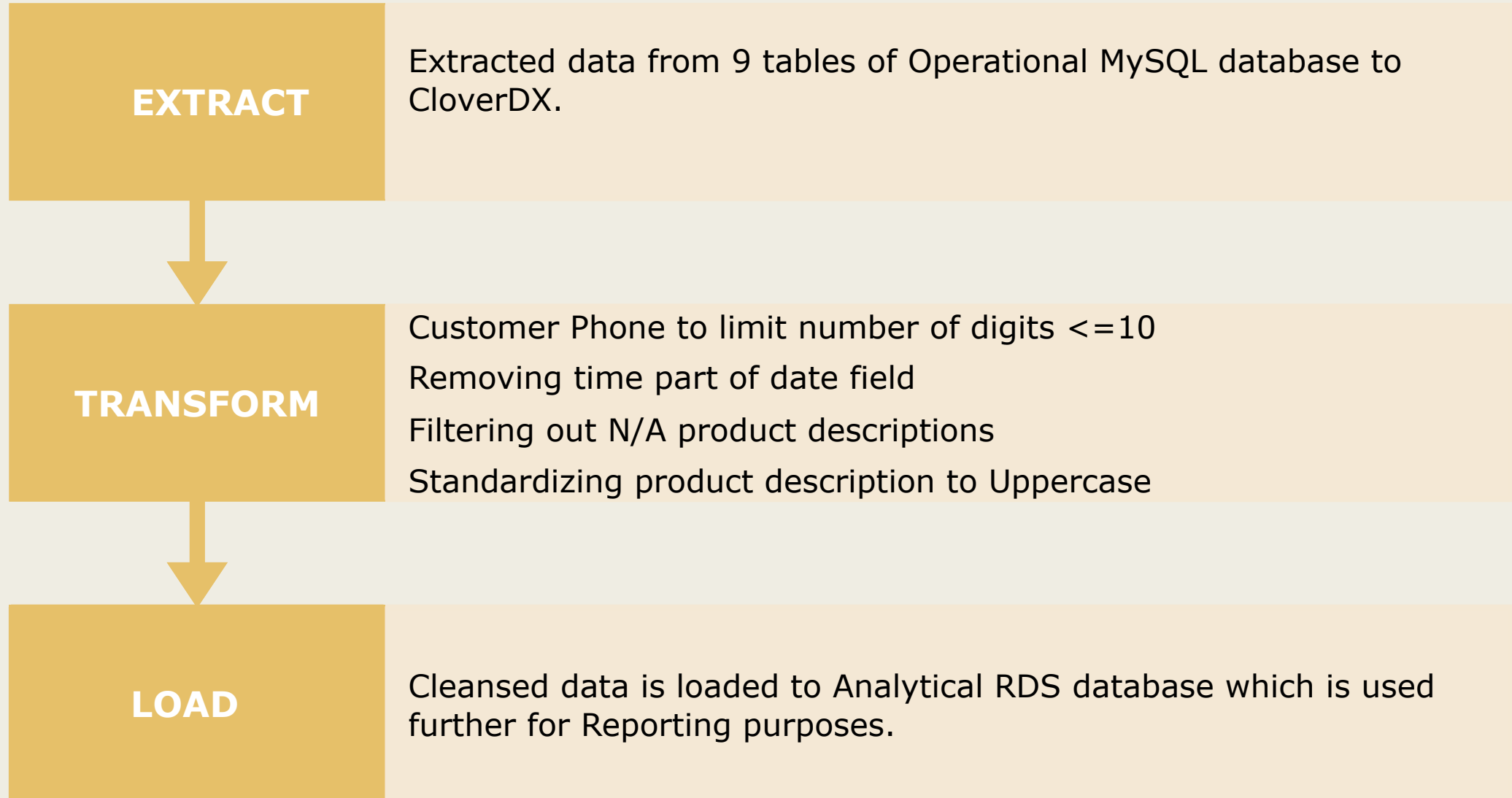
# Entity Relationship



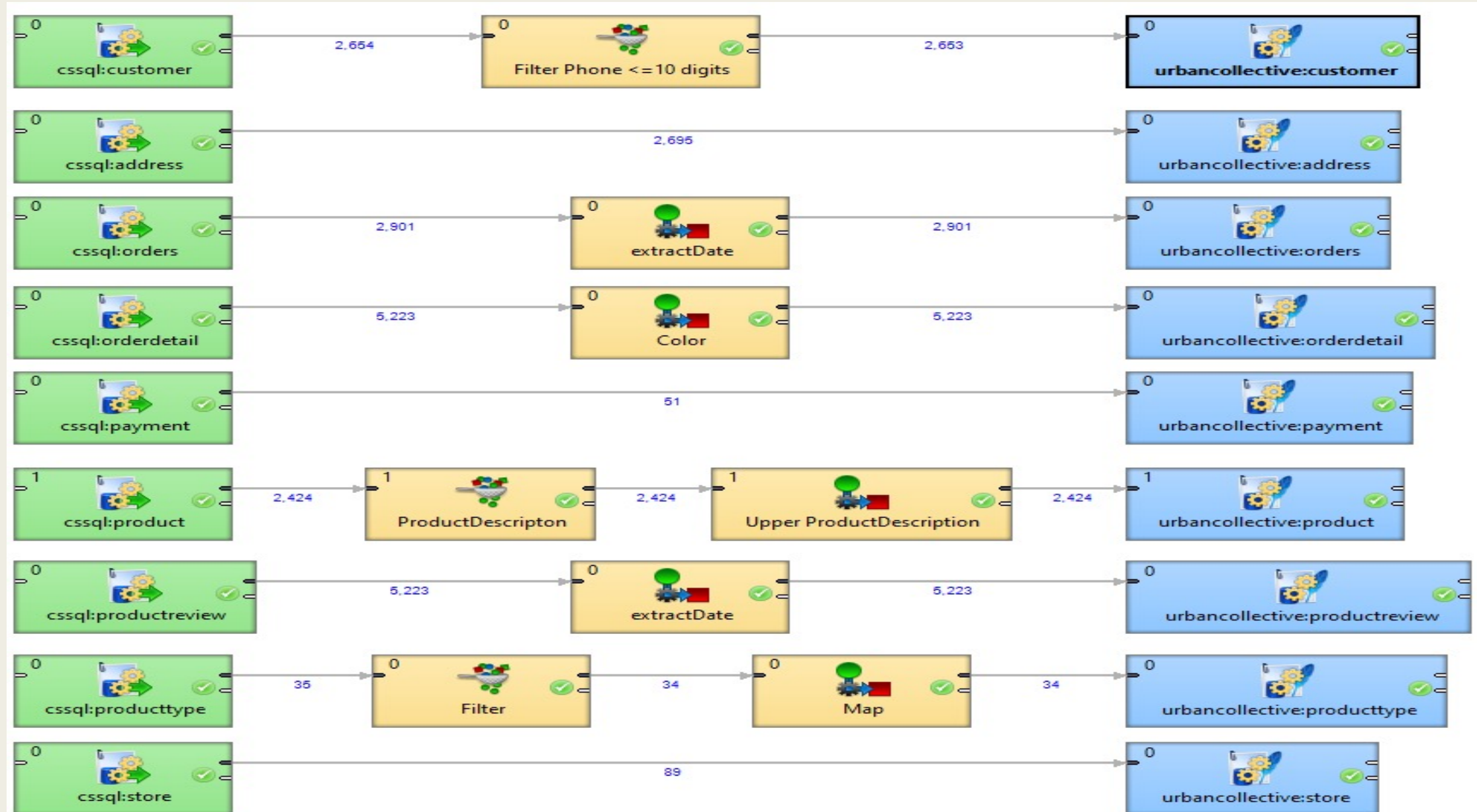
# Significance of Extract Transform Load

- **Physical Database Generation and Data Population:** The process of creating tables from ER model and populating data ensures availability for analytical queries.
- **ETL Process Using CloverDX:** CloverDX enables seamless data movement, cleansing, and transformation from source to cloud databases.
- **Significance of Cloud Database Setup:** Transitioning data to the cloud enhances accessibility, scalability, and disaster recovery for efficient data management.

# CloverDX Pipeline Implementation

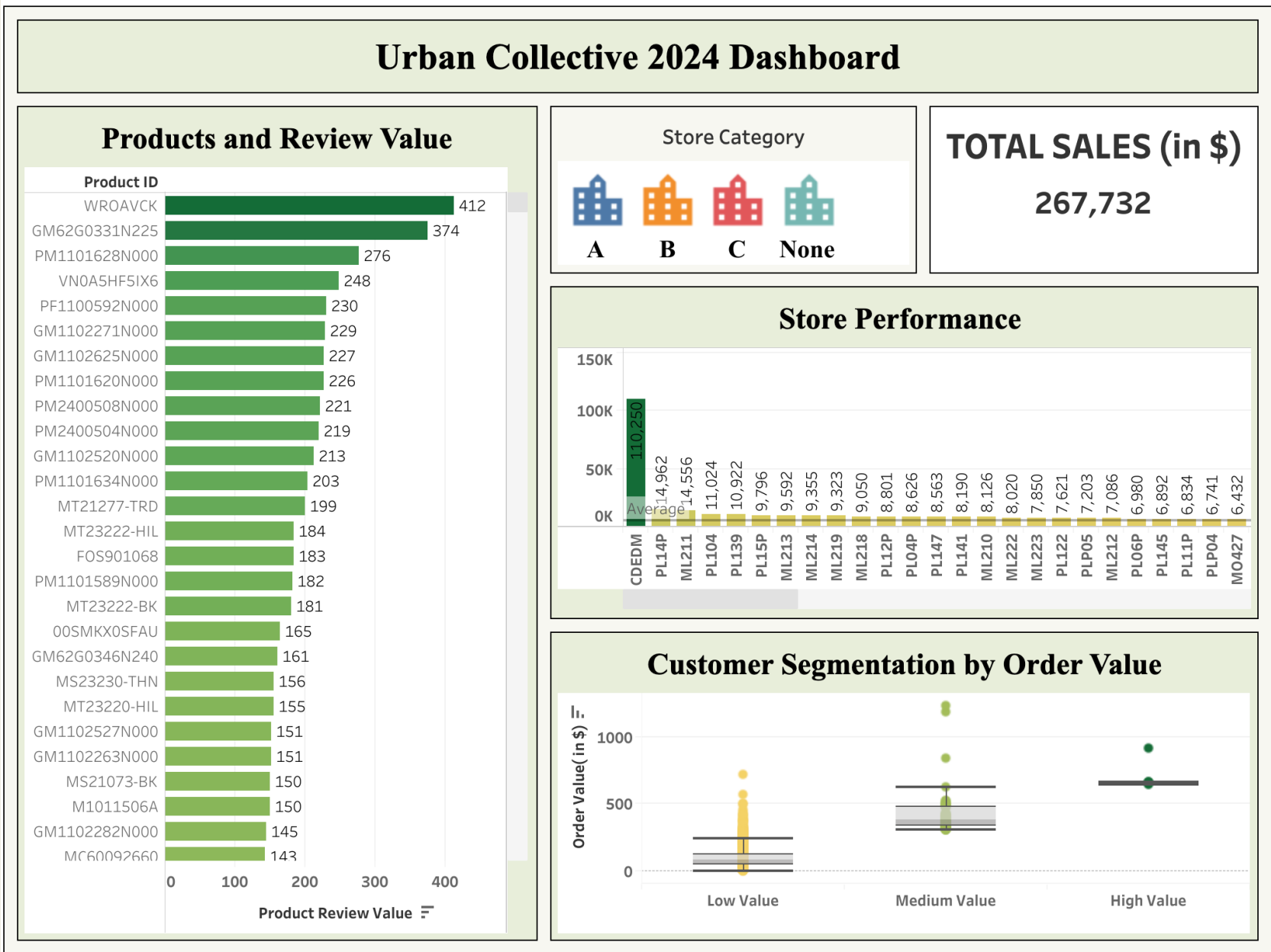


# CloverDX Pipeline - Urban Collective





# Data Visualization: Urban Collective 2024



# Urban Collective Reporting System

## Urban Collective Reporting System

### Dashboard Overview

Total Customers

2653

Total Orders

2901

Total Sales

\$267,732.00

Average Order Value

\$50.73

[Link to Reporting Site](#)



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# Conclusion and Future Work

## Conclusion

Implementing a robust data warehouse ensures improved decision-making, reduced costs, increased revenue, and continuous business improvement.

## Future Work

- **BI Project Next Steps:** Implement advanced data visualization techniques for enhanced reporting and decision-making.
- **Potential Improvements and Enhancements:** Enhance ETL processes for real-time data updates and seamless integration with additional data sources.
- **Long-Term Goals and Expansion Plans:** Scale BI infrastructure for global expansion, incorporating predictive analytics for market trend forecasting, and Data Stores for each Store Id.