OGBONNAH SQL CAPSTONE PROJECT

PRESENTATION

BY

- **Ogbonnah A.**

Situation

Task

Dashboard ✕ Properties ✕ SQL ✕ Statistics ✕ Dependencies ✕ Dependents ✕ Processes ✕ 📄 Donor_Data.sql* ✕ 📄 Donation_Data.sql ✕ 📄 SQL Capstone data.sql* ✕

OgbonnahSQL Capstone Data/postgres@PostgreSQL 16 ⌄

No limit ⌄

Query Query History

```
 6
 7    --b) What is the total donation by gender?
 8
 9 ⌄  select gender, sum(donation) as total_donation
10    from donation_data
11    group by gender;
12
13
```

Data Output Messages Graph Visualiser ✕ Notifications

	gender character varying (50) 🔒	total_donation bigint 🔒
1	Female	121457
2	Male	127628

Action

Assess Current State:

- Conduct an in-depth analysis of existing reporting and analytical workflows.
- Identify pain points, bottlenecks, and areas for improvement.

Strengthen Data Infrastructure:

- Established a robust data storage, retrieval, and processing systems.
- Implement a centralized data warehouse for seamless data access.
- Ensured data security and compliance.

Standardize Reporting Practices:

- Defined clear reporting templates and guidelines.
- Established KPIs (Key Performance Indicators) for different business units.
- Regularly review and update reporting formats.

Automate Routine Reports:

- We leverage technology to automate repetitive reporting tasks.
- Used Power BI, to create our visuals.
- Freed up resources for more strategic analysis.

Enhance Data Visualization:

- Created visually appealing dashboards for executives and teams.
- Visualize trends, market insights, and performance metrics.
- Enable quick decision-making based on real-time data.

DASHBOARD

DASHBOARD
February Analysis

GUYUS REAL ESTATE EXECUTIVE DASHBOARD

Summary
Revenue Influencers
February Analysis
State Monthly…

PropertyType
- Commercial
- Land
- Residential

Quarter
- Q1
- Q2
- Q3
- Q4

Month Name ×   PropertyType ×   City ×
Feb   **Land**

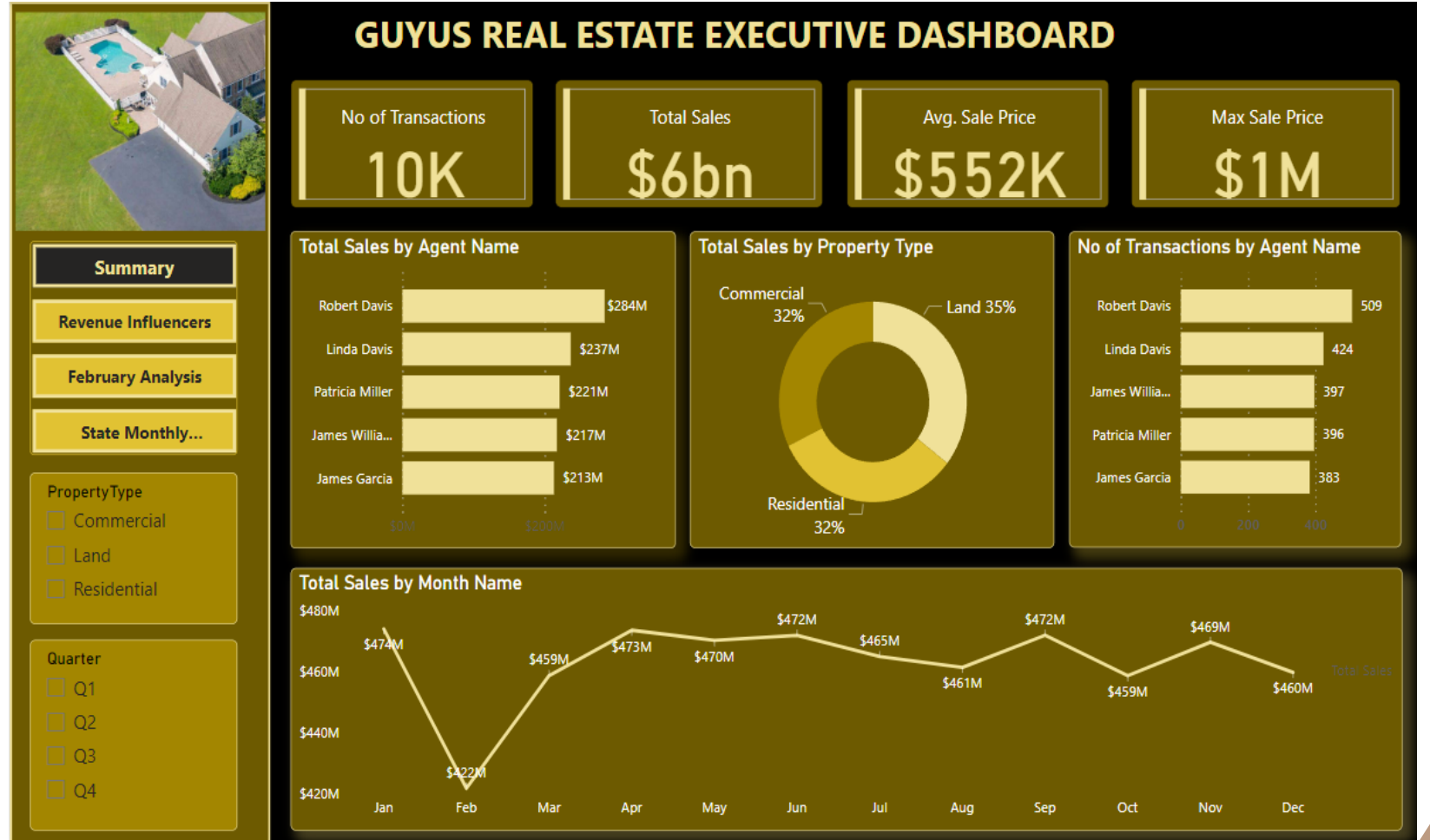|		
Jan $474M	Commercial $137M	Chicago $16M
Feb $422M	**Land $148M**	Dallas $16M
Mar $459M	Residential $137M	Houston $17M
Apr $473M		Los Angeles $17M
May $470M		New York $17M
Jun $472M		Philadelphia $7M
Jul $465M		Phoenix $7M
Aug $461M		San Antonio $21M
Sep $472M		San Diego $17M

Total Sales $5,555M

No of Transactions by Month Name and State

251 274 239 246 221 280
103 101 75 97 86 101 92
55 45 46 54 76 69

AZ CA IL NY PA TX AZ CA IL NY PA TX AZ CA IL NY PA TX AZ
Jan   Feb   Mar

No of Transactions by Month Name and PropertyType
● Commercial ● Land ● Residential

No of Transactions

300

250

Jan Feb Mar Apr May Jun Jul Aug Sep Oct Nov Dec

Key Influencers (Decrease)

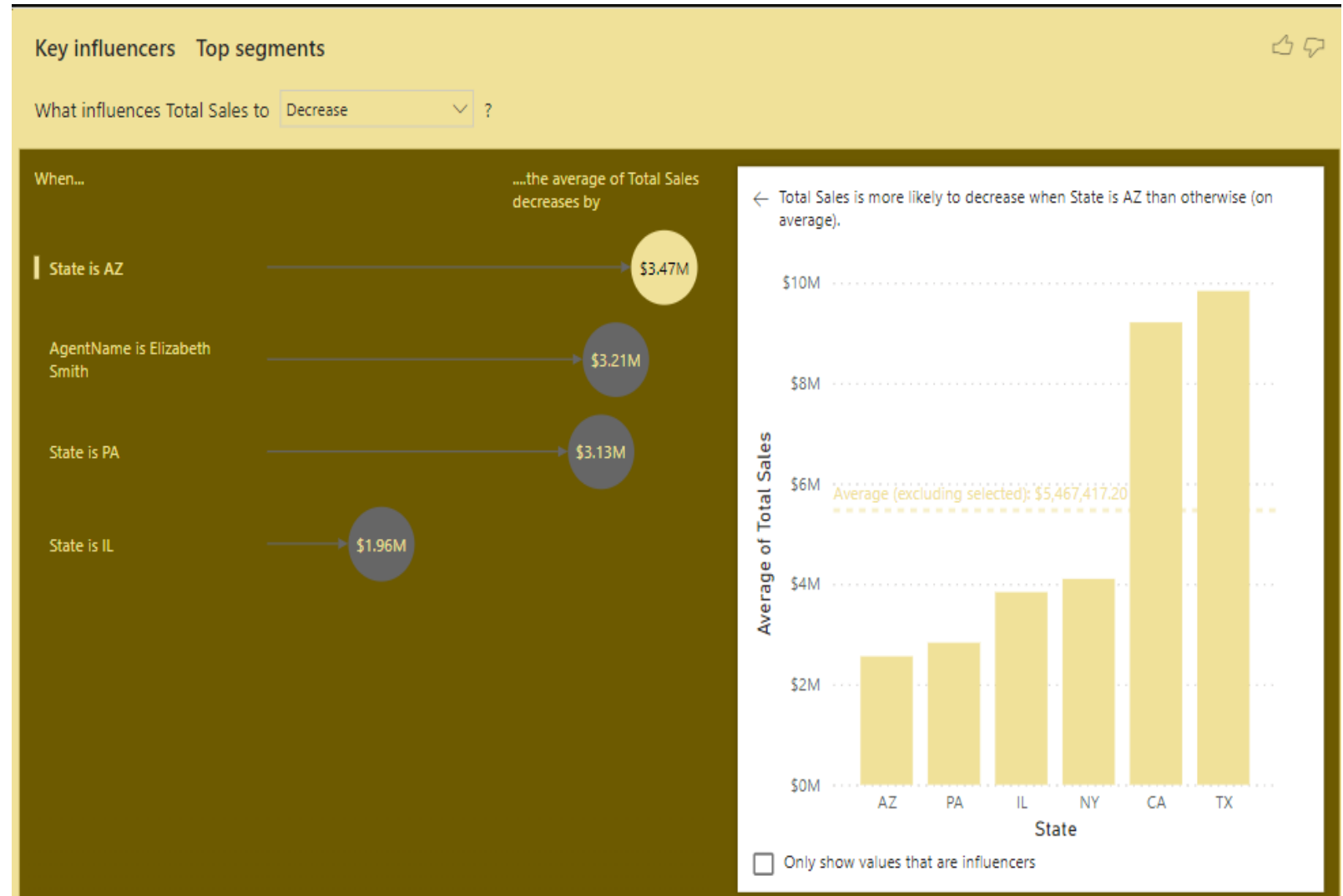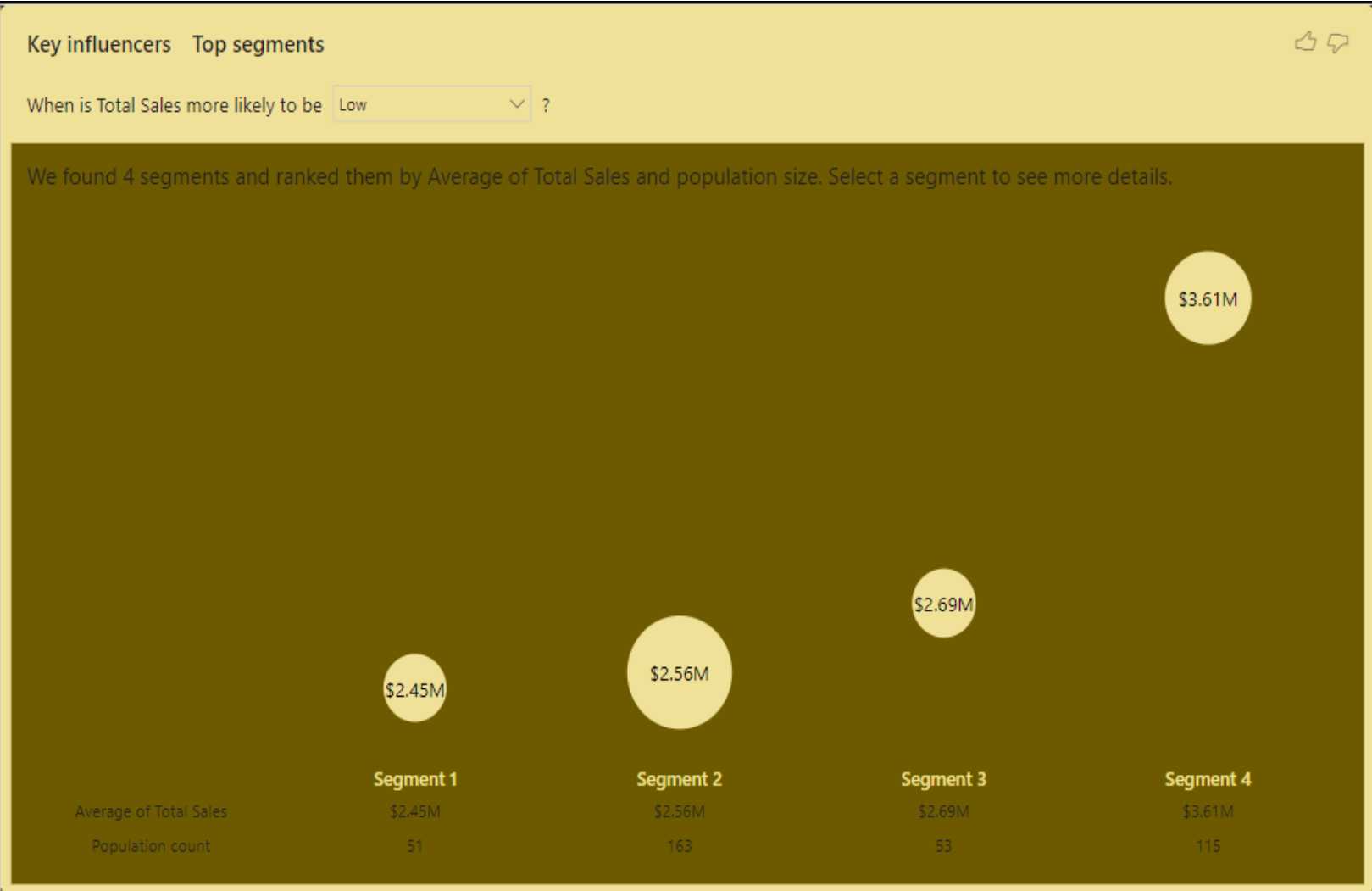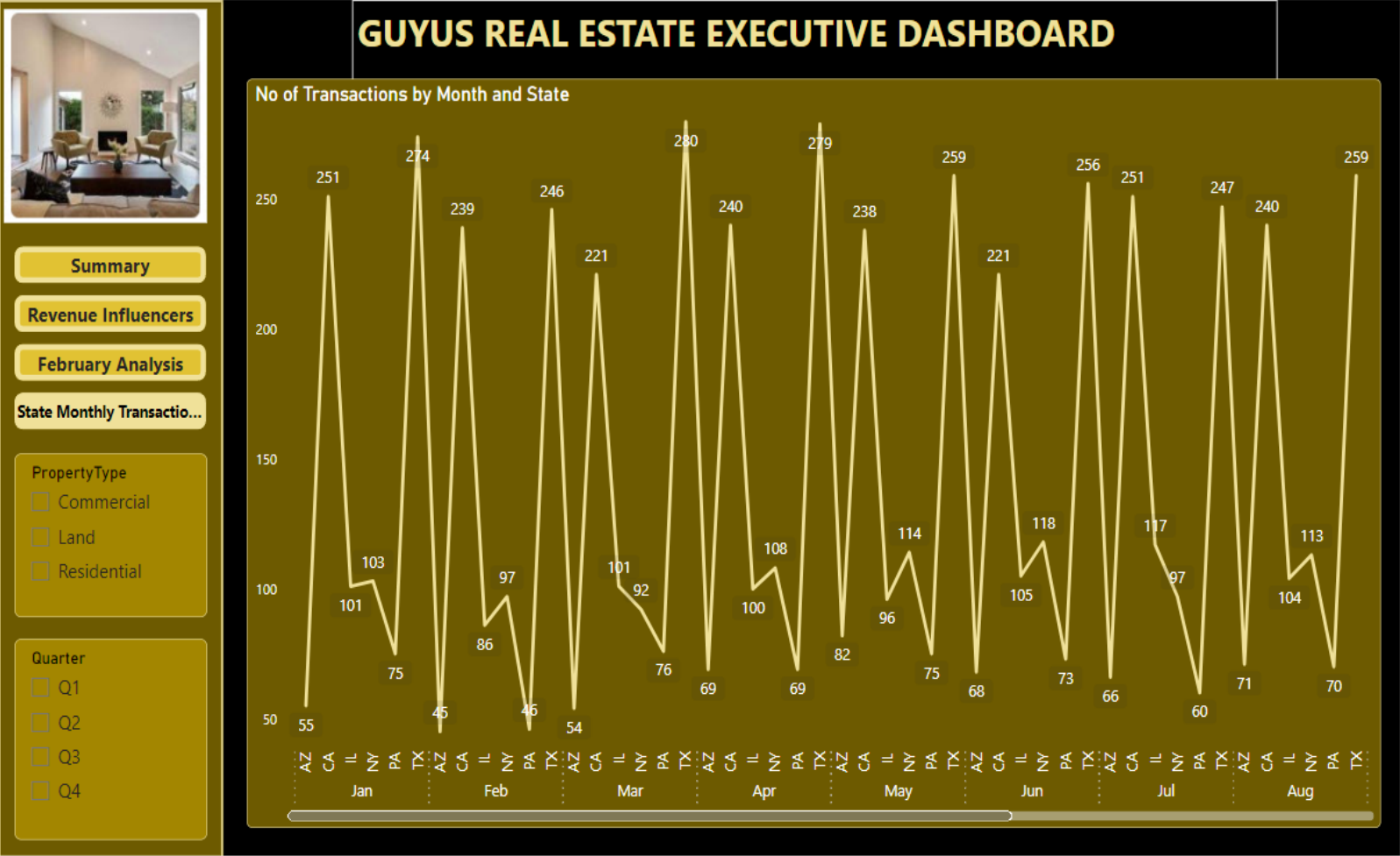# Top Segments (Decrease)

Monthly Sales Trend

Action
(Recommendations)

Empower Analysts:

- Provide training on advanced analytics tools like Power BI and Tubule.
- Encourage data exploration.
- Foster a data-driven culture within the organization.

Collaborate Across Departments:

- Break silos by involving sales, marketing, and finance teams.
- Share insights and collaborate on cross-functional projects.
- Align reporting goals with overall business objectives.

Monitor and Iterate:

- Regularly monitor reporting effectiveness.
- Collect feedback from stakeholders.
- Continuously refine processes based on insights.

- **Improved Decision-Making**: Timely, accurate data drives informed choices.

- **Efficiency Gains**: Automation reduces manual effort.

- **Competitive Edge**: Better insights lead to competitive advantage.

Result

Remember, success lies in adapting to changing market dynamics and staying agile. Guyus Real Estate can transform its reporting and analytics landscape to thrive in the ever-evolving real estate industry.

Thank You