# U.S. Real Estate?

Explore 3 years (2023,2024,2025) of U.S. real estate in Chicago, Houston, Los Angeles, Miami, New York, its challenges, and strategic future actions. This presentation highlights critical market insights paired with a sleek gold and black theme for a premium feel.



# Agenda

Introduction

Project overview and objectives.

2 Technical Steps

How we built the solution (Azure Database to Dashboard).

Insights Gained

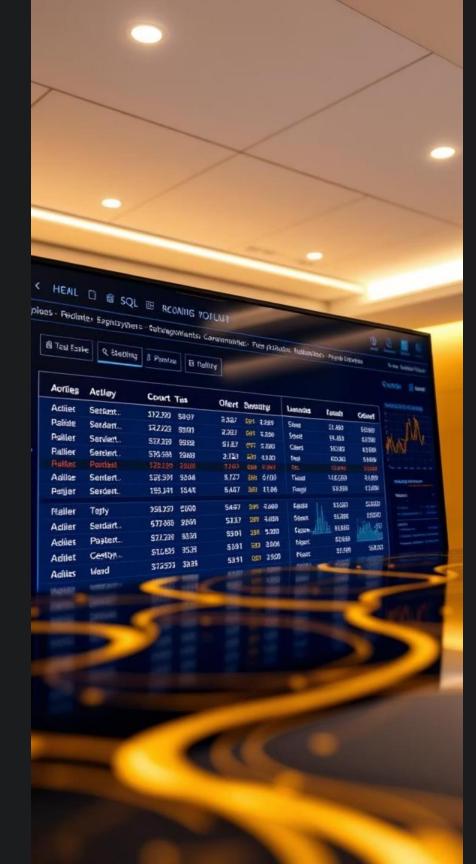
Key findings from the data.

4 Recommendations

Actions based on the insights.

5 Conclusion

Summary and next steps.



# Technical Steps

#### Creating an Azure SQL Database

Action: Provisioned an Azure SQL Database to host real estate data.

Why Azure?: Scalability, security, and integration with Power BI.

# Importing Data

Action: Imported datasets (properties, visits, sales, agents, etc.) into the SQL database.



# Introduction

# Objective

Improve understanding of real estate performance.

Leverage data to support business decisions.

# Scope

Track property sales, visits, and performance metrics.

# **Tools We Use:**

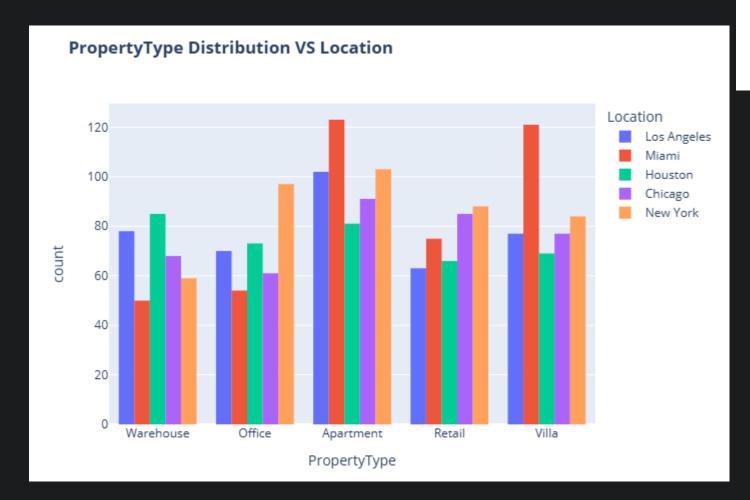
- Microsoft Azure Secure cloud storage and scalable analytics.
- SQL → SQL Server
- Python & Machine Learning Pandas , Plotly , Seaborn , Matplotlib , scikit learn
- Power BI → Visualize insights for decision-making.

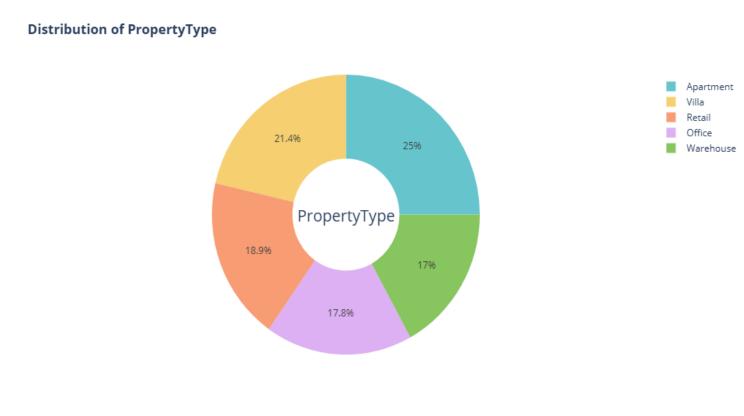
# **Key Metrics We Track:**

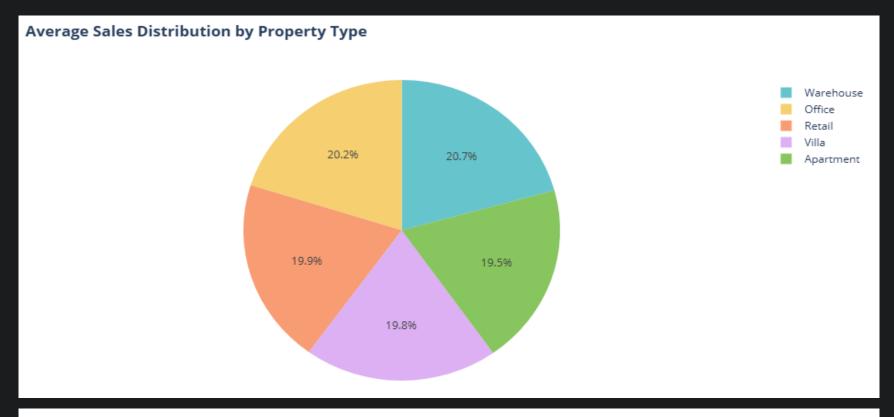
- name of the property Analytics: Market trends, pricing, and inventory.
- Sales Performance: Deals closed, revenue, and growth.
- Agent & Client Engagement: Agent productivity and client interactions.
- The Location-Based Insights: Neighborhood demand and investment hotspots.

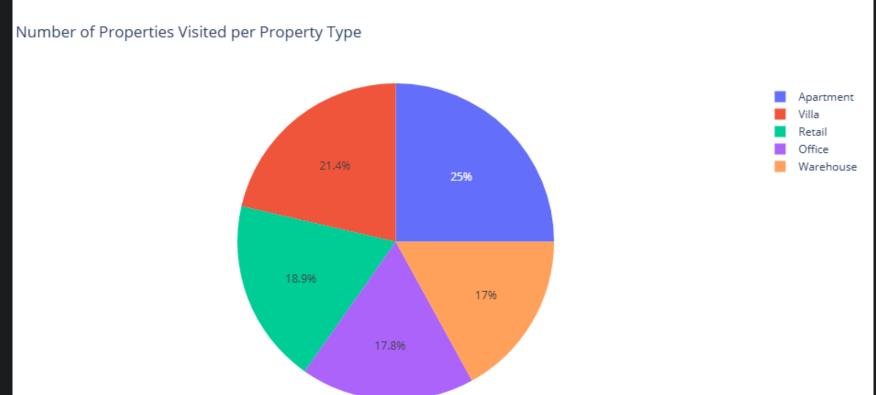


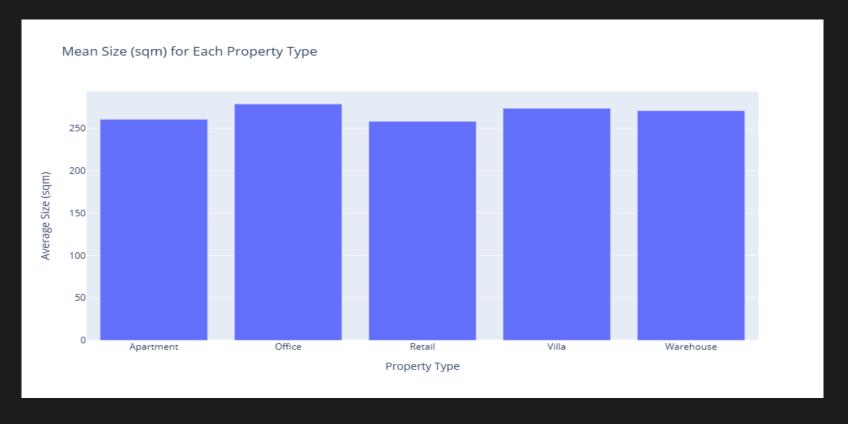
# Property Analytics





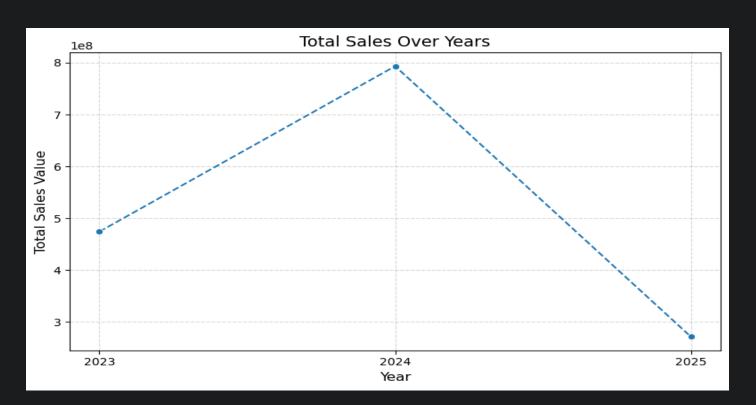


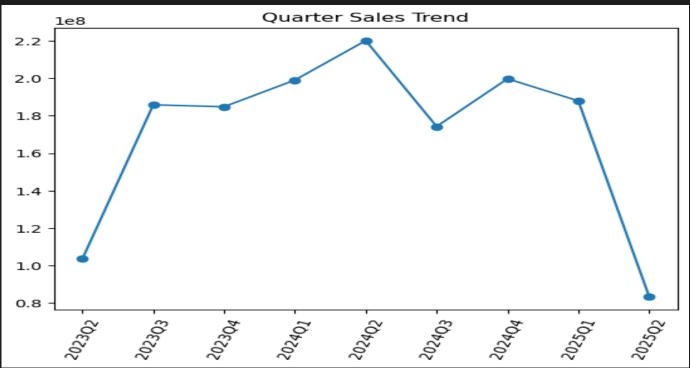






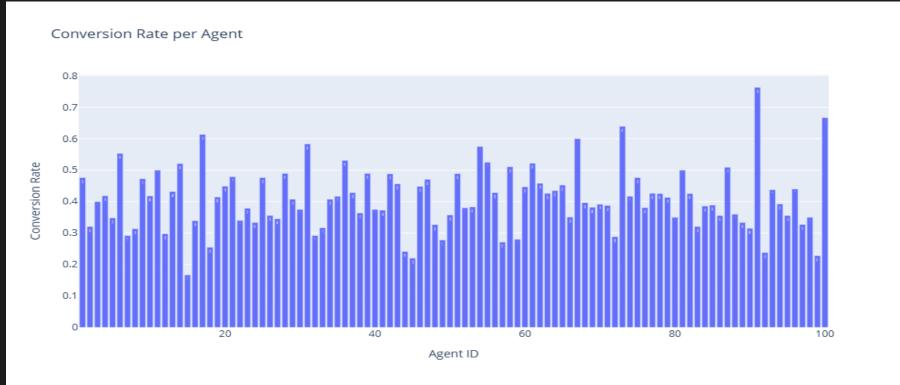
# Sales Performance

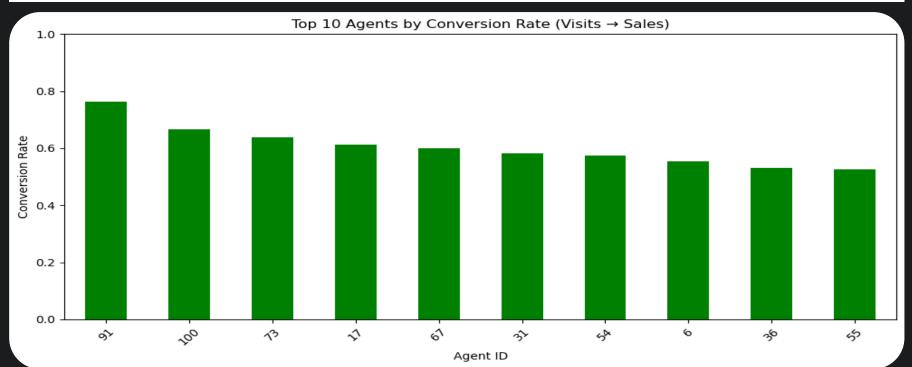






# Top-Performing Agent





Agent ID: 91

**Conversion rate: 76%** 

# most frequent client

```
# most_frequent client

df[df['ClientID'] == 1034][['ClientID','FirstName_x','LastName_x','PropertyType','Location']]
```

|      | ClientID | FirstName_x | LastName_x | PropertyType | Location |
|------|----------|-------------|------------|--------------|----------|
| 384  | 1034     | Miranda     | Gomez      | Villa        | Miami    |
| 1343 | 1034     | Miranda     | Gomez      | Office       | New York |
| 1643 | 1034     | Miranda     | Gomez      | Apartment    | Chicago  |
| 1666 | 1034     | Miranda     | Gomez      | Office       | Chicago  |
| 1712 | 1034     | Miranda     | Gomez      | Office       | Miami    |
| 1713 | 1034     | Miranda     | Gomez      | Retail       | Miami    |
| 1909 | 1034     | Miranda     | Gomez      | Apartment    | New York |
|      |          |             |            |              |          |

# Average visit-to-sale ratio per location

|   | Location    | AvgVisitToSaleRatio |
|---|-------------|---------------------|
| 0 | Chicago     | 2.628272            |
| 2 | Los Angeles | 2.528205            |
| 1 | Houston     | 2.526738            |
| 3 | Miami       | 2.486998            |
| 4 | New York    | 2.350348            |



#### First-time vs repeat buyers

#### First-time

first\_time\_purchases

|      | ClientID | FirstName_x | LastName_x | Email_x                           | Phone_x              | PropertyType | Location    |
|------|----------|-------------|------------|-----------------------------------|----------------------|--------------|-------------|
| 0    | 291      | John        | Schroeder  | elijahrichards@hotmail.com        | (701)136-6900x97927  | Warehouse    | Los Angeles |
| 5    | 437      | Amy         | Peterson   | jennifer40@crawford.com           | 307-195-5748         | Retail       | Chicago     |
| 7    | 616      | Rhonda      | Banks      | dsalinas@yahoo.com                | 5921562407           | Warehouse    | Miami       |
| 8    | 946      | David       | Wheeler    | moorejeremy@hotmail.com           | +1-102-891-2137x2171 | Warehouse    | Los Angeles |
| 15   | 1333     | Micheal     | Bennett    | qharper@marquez.com               | (013)638-3210        | Apartment    | Houston     |
|      |          |             |            |                                   |                      |              |             |
| 1974 | 317      | Mark        | Hall       | willie89@gmail.com                | 705.381.0786x95520   | Apartment    | Houston     |
| 1990 | 383      | Vincent     | Russell    | brownsuzanne@hotmail.com          | 083.152.0999x3238    | Warehouse    | Houston     |
| 1991 | 998      | Jacob       | Romero     | jcobb@yahoo.com                   | 3829863968           | Retail       | Chicago     |
| 1992 | 583      | Joel        | Dominguez  | crawfordmichele@schwartz-diaz.com | (451)052-5898        | Villa        | Miami       |
| 1998 | 403      | Christine   | Miller     | juarezmatthew@noble.com           | (511)660-7946x6868   | Office       | New York    |

526 rows × 7 columns

#### repeat\_buyers\_purchases

repeat\_buyers\_purchases

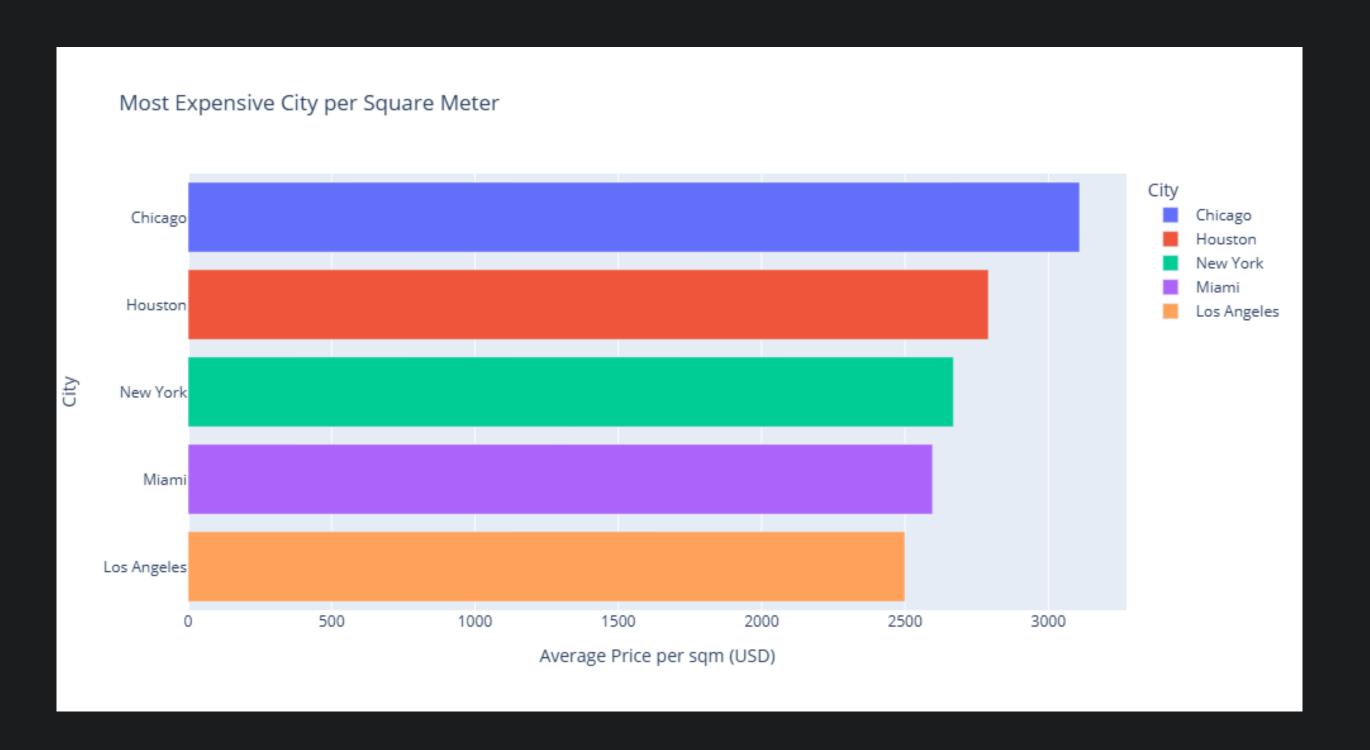
|      | ClientID | FirstName_x | LastName_x | Email_x                        | Phone_x                | PropertyType | Location    |
|------|----------|-------------|------------|--------------------------------|------------------------|--------------|-------------|
| 1    | 979      | Keith       | Valenzuela | awilson@gmail.com              | 001-860-877-0940       | Retail       | Miami       |
| 2    | 527      | Charles     | Miles      | elizabethsanchez@yahoo.com     | +1-406-225-7870x547    | Retail       | Houston     |
| 3    | 226      | Sergio      | Williams   | hunterkeith@taylor.com         | 001-565-647-2177x498   | Office       | Los Angeles |
| 4    | 498      | Kelli       | Woodard    | jason06@hotmail.com            | 6519818654             | Villa        | Houston     |
| 6    | 339      | Catherine   | Rangel     | kanejessica@berry-palmer.com   | 232.949.2466x256       | Retail       | New York    |
|      |          |             |            |                                |                        |              |             |
| 1994 | 655      | Vanessa     | Mcgee      | thomas12@skinner-robinson.info | 001-133-345-9565x52815 | Villa        | New York    |
| 1995 | 35       | Daniel      | Wilson     | julia18@yahoo.com              | 540.181.0038x57035     | Office       | Chicago     |
| 1996 | 890      | Alyssa      | Rowe       | xsmith@gmail.com               | 001-547-590-3064x272   | Retail       | New York    |
| 1997 | 1167     | Todd        | Whitehead  | kathypatterson@west.com        | 465.187.1041x970       | Villa        | Miami       |
| 1999 | 849      | David       | Mccormick  | charles05@gmail.com            | 375.799.0547x25418     | Office       | New York    |

# **Customer Purchase Frequency Distribution**

| Frequency Purchase | Number of clients |
|--------------------|-------------------|
| 1                  | 526               |
| 2                  | 333               |
| 3                  | 165               |
| 4                  | 51                |
| 5                  | 18                |
| 6                  | 2                 |
| 7                  | 1                 |

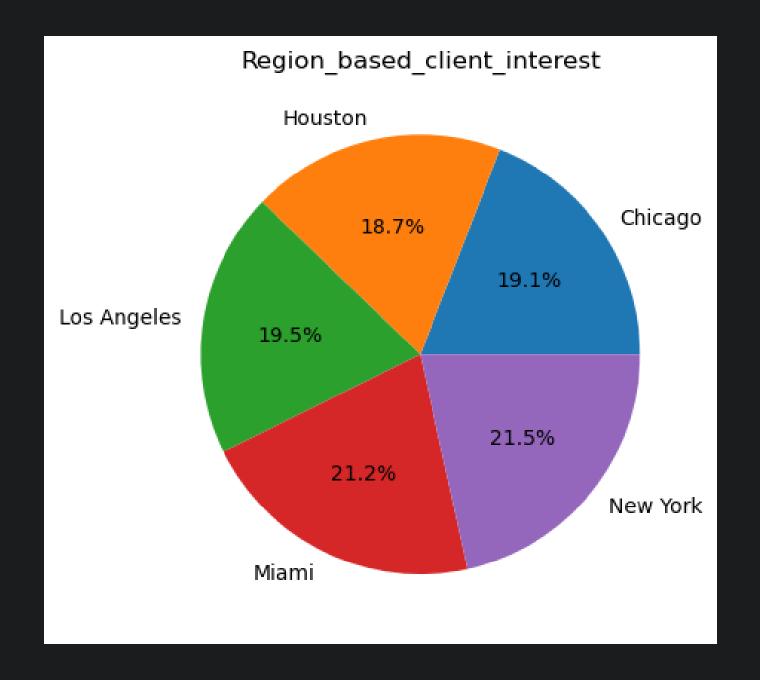
# Top 10 spender clients

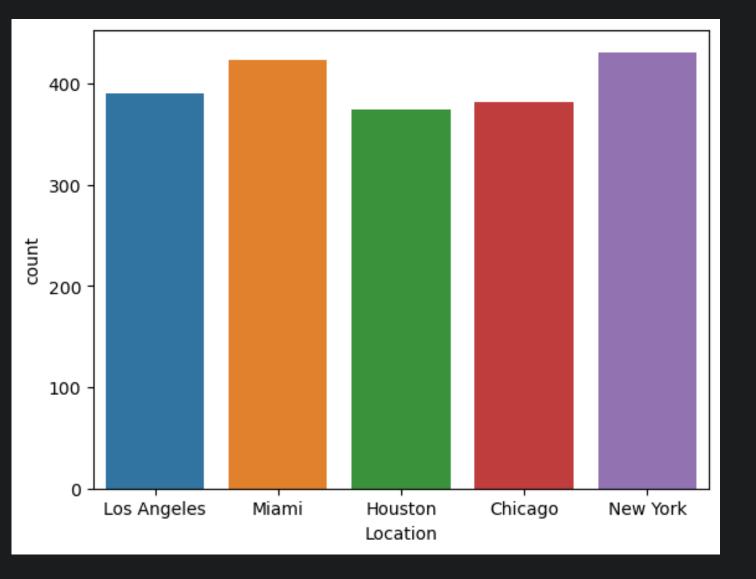
|      | ClientID | FirstName_x | LastName_x | SalePrice |
|------|----------|-------------|------------|-----------|
| 748  | 1034     | Miranda     | Gomez      | 5309528   |
| 537  | 751      | Deborah     | Gibson     | 5059593   |
| 997  | 1378     | Brenda      | Cobb       | 4975928   |
| 215  | 315      | William     | Brown      | 4788386   |
| 705  | 973      | James       | Andrade    | 4726575   |
| 336  | 486      | Michelle    | Martin     | 4674197   |
| 325  | 466      | Kimberly    | Bowen      | 4501210   |
| 524  | 736      | Joshua      | Gray       | 4444278   |
| 1025 | 1416     | Eric        | Lambert    | 4319775   |
| 574  | 798      | Jessica     | Vasquez    | 4301397   |



# Region\_based\_client\_interest

# Region Frequency of clients Chicago 382 0 Houston 374 Los Angeles 390 423 Miami New York 4 431





# "The most sold property type in Miami is:"

```
miami_df = df[df['Location'] == 'Miami']
most_common_property = miami_df['PropertyType'].value_counts().idxmax()
print(most_common_property)

Apartment
```





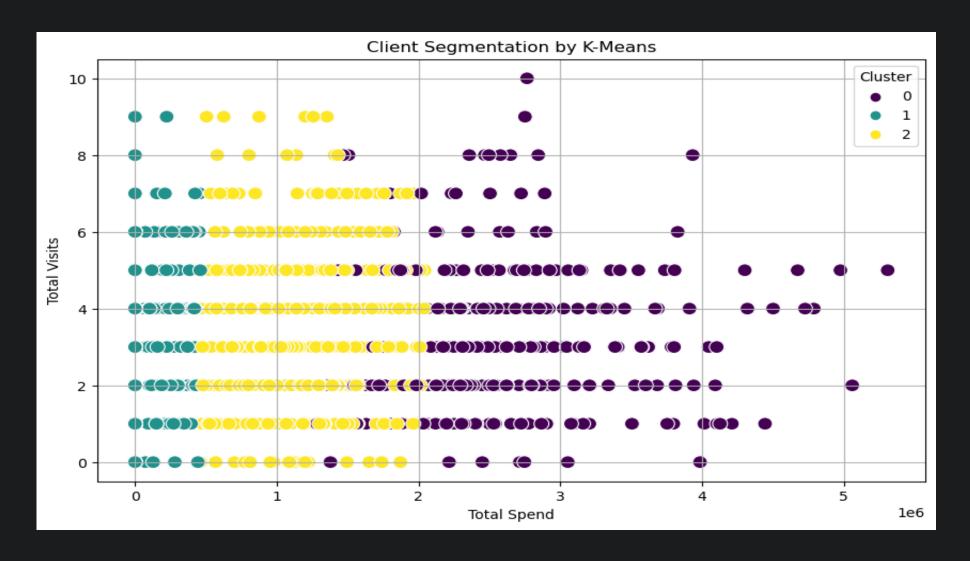


# Customer Segmentation With Real Estate CRM



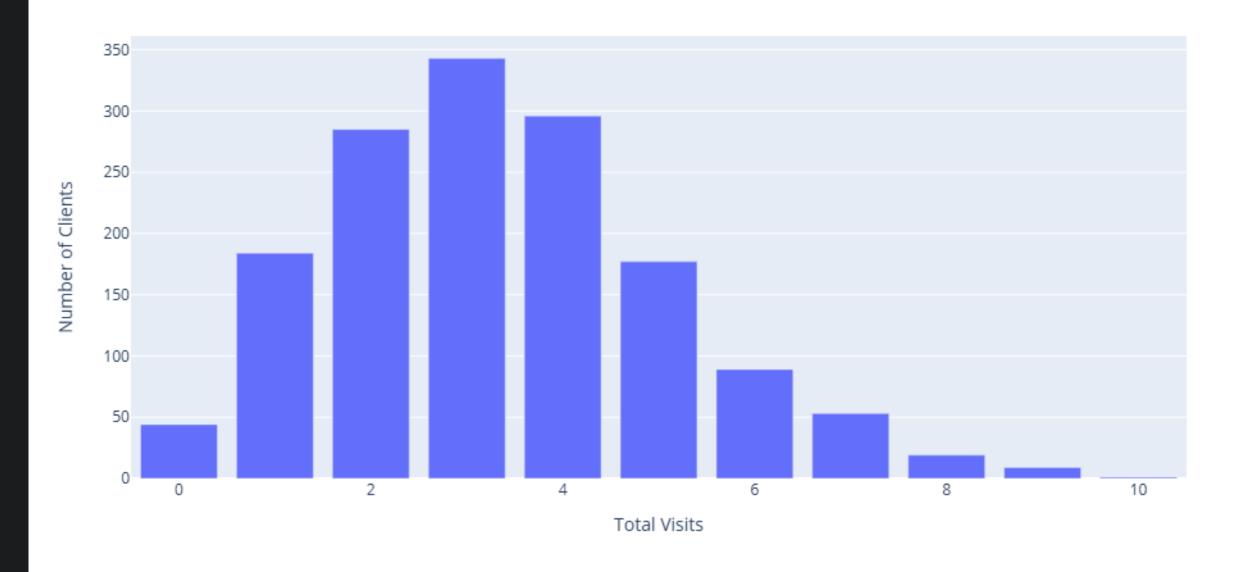


# Using K-Means Cluster



|   | Cluster | TotalVisits | PurchaseFrequency | TotalSpend   | AvgSpend      |
|---|---------|-------------|-------------------|--------------|---------------|
| 0 | 0       | 3.286667    | 3.073333          | 2.623646e+06 | 894425.244167 |
| 1 | 1       | 3.355752    | 0.299115          | 7.571453e+04 | 73123.053097  |
| 2 | 2       | 3.335433    | 1.431496          | 1.116656e+06 | 836169.334646 |

# Distribution of Clients by Total Visits



cluster\_0\_clients = client\_features[client\_features['Cluster'] == 0]
cluster\_0\_clients

|      | ClientID | FirstName | LastName | Phone                  | Email                   | TotalVisits | PurchaseFrequency | TotalSpend | AvgSpend     | Cluster |
|------|----------|-----------|----------|------------------------|-------------------------|-------------|-------------------|------------|--------------|---------|
| 2    | 3        | Shelia    | Ryan     | 001-444-315-7702x8262  | bradleybell@hotmail.com | 5.0         | 3.0               | 2266640.0  | 7.555467e+05 | 0       |
| 7    | 8        | Teresa    | Smith    | (573)794-8059x9130     | randy50@yahoo.com       | 6.0         | 2.0               | 2631772.0  | 1.315886e+06 | 0       |
| 12   | 13       | Debra     | White    | 139-196-1817x120       | kingrachel@gmail.com    | 5.0         | 3.0               | 2765309.0  | 9.217697e+05 | 0       |
| 14   | 15       | Kimberly  | Hill     | 111.374.8590           | ileach@yahoo.com        | 0.0         | 4.0               | 3052637.0  | 7.631592e+05 | 0       |
| 22   | 23       | Todd      | Weaver   | 001-117-059-9016x52810 | jortiz@hotmail.com      | 4.0         | 4.0               | 2133710.0  | 5.334275e+05 | 0       |
|      |          |           |          |                        |                         |             |                   |            |              |         |
| 1464 | 1465     | Latoya    | Neal     | +1-226-958-0522x69409  | thomaslewis@ortiz.com   | 2.0         | 2.0               | 2125064.0  | 1.062532e+06 | 0       |
| 1470 | 1471     | Patricia  | Patel    | 7282605378             | joseph71@rivera.com     | 2.0         | 4.0               | 2796593.0  | 6.991482e+05 | 0       |
| 1477 | 1478     | Vincent   | Martinez | 599.920.7341           | yrowe@ali.biz           | 5.0         | 2.0               | 2317288.0  | 1.158644e+06 | 0       |
| 1485 | 1486     | Donald    | Todd     | (473)472-1800x8009     | amandaclark@gmail.com   | 4.0         | 4.0               | 2850660.0  | 7.126650e+05 | 0       |
| 1486 | 1487     | Deanna    | Robinson | +1-350-955-9701x78430  | nathaniel13@hotmail.com | 2.0         | 4.0               | 2620723.0  | 6.551808e+05 | 0       |
|      |          |           |          |                        |                         |             |                   |            |              |         |

cluster\_1\_clients = client\_features[client\_features['Cluster'] == 1]
cluster\_1\_clients



|      | ClientID | FirstName | LastName   | Phone                 | Email                           | TotalVisits | PurchaseFrequency | TotalSpend | AvgSpend | Cluster |
|------|----------|-----------|------------|-----------------------|---------------------------------|-------------|-------------------|------------|----------|---------|
| 0    | 1        | Daniel    | Hoffman    | 5519656988            | deborah83@hotmail.com           | 7.0         | 0.0               | 0.0        | 0.0      | 1       |
| 1    | 2        | Heather   | Good       | +1-570-565-8487x89968 | tamaraellis@dean.com            | 4.0         | 0.0               | 0.0        | 0.0      | 1       |
| 6    | 7        | Vanessa   | Hill       | 655-830-8435x43747    | sarahheath@yahoo.com            | 4.0         | 1.0               | 162691.0   | 162691.0 | 1       |
| 9    | 10       | Garrett   | Owens      | 037.196.2178x793      | royortega@hotmail.com           | 4.0         | 0.0               | 0.0        | 0.0      | 1       |
| 10   | 11       | Tami      | Watkins    | 201.090.1239x2453     | mccoytony@smith.com             | 6.0         | 1.0               | 132709.0   | 132709.0 | 1       |
|      |          |           |            |                       |                                 |             |                   |            |          |         |
| 1484 | 1485     | Karen     | Stephenson | (143)015-3840x940     | hunteramy@hotmail.com           | 1.0         | 0.0               | 0.0        | 0.0      | 1       |
| 1488 | 1489     | Emily     | Roberts    | 649.311.5230          | kaitlinheath@simpson-oliver.com | 5.0         | 1.0               | 221056.0   | 221056.0 | 1       |
| 1491 | 1492     | Gregory   | Peters     | 777.289.5014          | tturner@gmail.com               | 1.0         | 1.0               | 150305.0   | 150305.0 | 1       |
| 1497 | 1498     | Paul      | Taylor     | 6930999306            | alexandra71@yahoo.com           | 1.0         | 0.0               | 0.0        | 0.0      | 1       |
| 1498 | 1499     | William   | Watkins    | 001-091-126-8710x812  | davidfriedman@hotmail.com       | 7.0         | 0.0               | 0.0        | 0.0      | 1       |

cluster\_2\_clients = client\_features[client\_features['Cluster'] == 2]
cluster\_2\_clients



|      | ClientID | FirstName | LastName | Phone                 | Email                        | TotalVisits | PurchaseFrequency | TotalSpend | AvgSpend  | Cluster |
|------|----------|-----------|----------|-----------------------|------------------------------|-------------|-------------------|------------|-----------|---------|
| 3    | 4        | Margaret  | Knight   | 001-752-253-9221x228  | mcmillanjulia@lindsey.com    | 5.0         | 2.0               | 1141581.0  | 570790.5  | 2       |
| 4    | 5        | Jesus     | Moore    | 633.478.9307x986      | patelrebecca@day.com         | 3.0         | 1.0               | 1057874.0  | 1057874.0 | 2       |
| 5    | 6        | Jose      | Gibson   | 636-419-8972          | brianguerra@hotmail.com      | 4.0         | 2.0               | 1364904.0  | 682452.0  | 2       |
| 8    | 9        | Rachel    | Odom     | 384.798.7184x33461    | jade73@yahoo.com             | 2.0         | 1.0               | 1470352.0  | 1470352.0 | 2       |
| 15   | 16       | Stephen   | Jackson  | 803-950-5199x380      | hancocknatalie@gmail.com     | 2.0         | 1.0               | 889976.0   | 889976.0  | 2       |
|      |          |           |          |                       |                              |             |                   |            |           |         |
| 1493 | 1494     | Carl      | Hill     | 605.821.9900x455      | daniellemcdonald@hotmail.com | 5.0         | 1.0               | 739817.0   | 739817.0  | 2       |
| 1494 | 1495     | Amy       | Wise     | 905-603-5407x7060     | jeffreybryant@yahoo.com      | 3.0         | 1.0               | 888063.0   | 888063.0  | 2       |
| 1495 | 1496     | Victoria  | Decker   | +1-794-705-0520x43162 | chaveztyler@gmail.com        | 1.0         | 2.0               | 1465643.0  | 732821.5  | 2       |
| 1496 | 1497     | Richard   | Benjamin | (898)658-0405x89259   | harriseileen@yahoo.com       | 8.0         | 1.0               | 804149.0   | 804149.0  | 2       |
| 1499 | 1500     | Miranda   | Martinez | +1-206-460-6537x47745 | johnsondevin@flores.com      | 2.0         | 2.0               | 1560225.0  | 780112.5  | 2       |

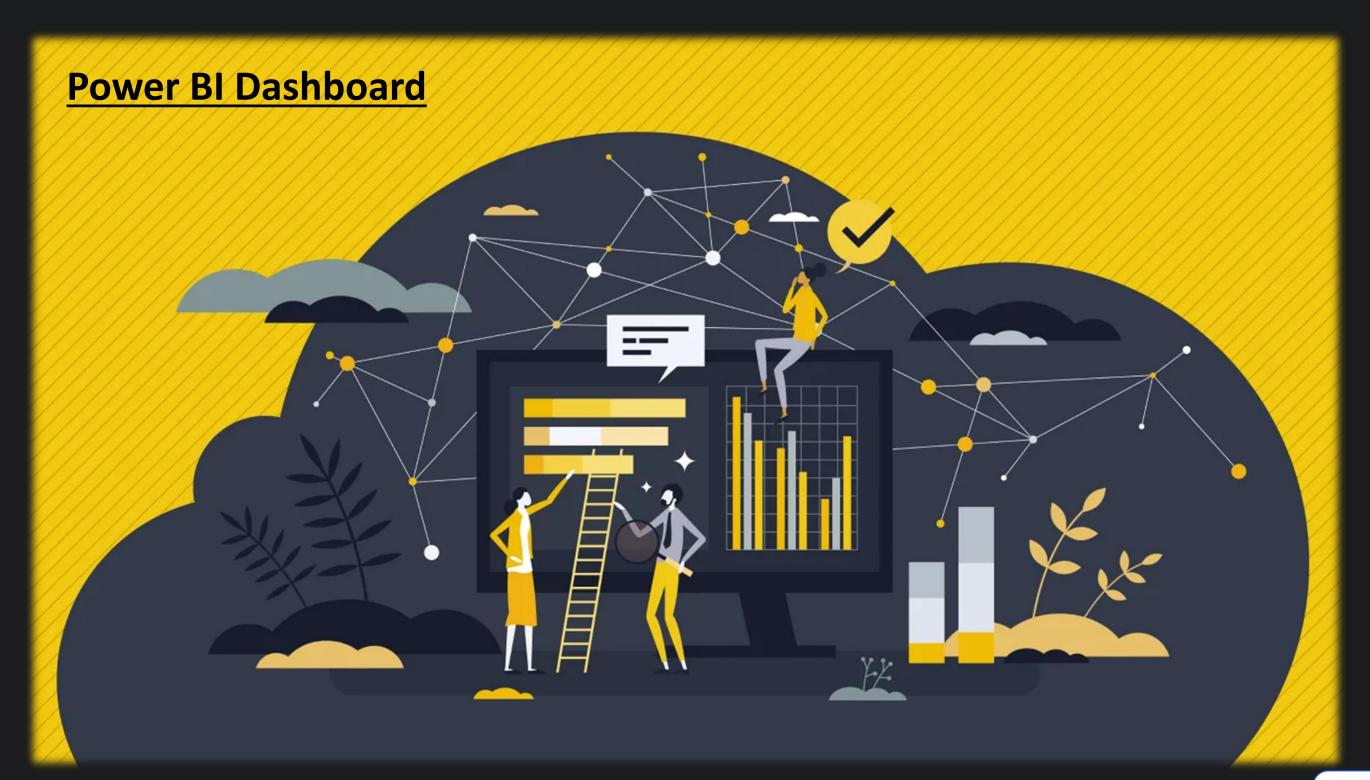
```
interested_no_purchase = client_features[
    (client_features['Cluster'] == 1) &
     (client_features['TotalSpend'] == 0) &
     (client_features['TotalVisits'] > 0)
]
```

#### interested\_no\_purchase

|      | ClientID | FirstName | LastName   | Phone                 | Email                       | TotalVisits | PurchaseFrequency | TotalSpend | AvgSpend | Cluster |
|------|----------|-----------|------------|-----------------------|-----------------------------|-------------|-------------------|------------|----------|---------|
| 0    | 1        | Daniel    | Hoffman    | 5519656988            | deborah83@hotmail.com       | 7.0         | 0.0               | 0.0        | 0.0      | 1       |
| 1    | 2        | Heather   | Good       | +1-570-565-8487x89968 | tamaraellis@dean.com        | 4.0         | 0.0               | 0.0        | 0.0      | 1       |
| 9    | 10       | Garrett   | Owens      | 037.196.2178x793      | royortega@hotmail.com       | 4.0         | 0.0               | 0.0        | 0.0      | 1       |
| 11   | 12       | Travis    | Nelson     | 481.039.6516x236      | rebecca52@proctor.com       | 1.0         | 0.0               | 0.0        | 0.0      | 1       |
| 13   | 14       | James     | Webster    | (196)343-3877x50593   | dianejohnson@yahoo.com      | 2.0         | 0.0               | 0.0        | 0.0      | 1       |
|      |          |           |            |                       |                             |             |                   |            |          |         |
| 1474 | 1475     | Christina | Cabrera    | 772-501-3528          | ywhite@richard-jennings.net | 4.0         | 0.0               | 0.0        | 0.0      | 1       |
| 1476 | 1477     | Michael   | Kline      | +1-961-966-1935x13855 | wstuart@cardenas-perez.com  | 1.0         | 0.0               | 0.0        | 0.0      | 1       |
| 1484 | 1485     | Karen     | Stephenson | (143)015-3840x940     | hunteramy@hotmail.com       | 1.0         | 0.0               | 0.0        | 0.0      | 1       |
| 1497 | 1498     | Paul      | Taylor     | 6930999306            | alexandra71@yahoo.com       | 1.0         | 0.0               | 0.0        | 0.0      | 1       |
| 1498 | 1499     | William   | Watkins    | 001-091-126-8710x812  | davidfriedman@hotmail.com   | 7.0         | 0.0               | 0.0        | 0.0      | 1       |
|      |          |           |            |                       |                             |             |                   |            |          |         |

#### unengaged\_clients

|      | ClientID | FirstName | LastName   | Phone                     | Email                               | TotalVisits | PurchaseFrequency | TotalSpend | AvgSpend | Cluster |
|------|----------|-----------|------------|---------------------------|-------------------------------------|-------------|-------------------|------------|----------|---------|
| 162  | 163      | Erica     | Cruz       | (464)591-0883             | grantdenise@gmail.com               | 0.0         | 0.0               | 0.0        | 0.0      | 1       |
| 180  | 181      | Brendan   | Cole       | +1-748-246-8366x9273      | wkhan@gmail.com                     | 0.0         | 0.0               | 0.0        | 0.0      | 1       |
| 239  | 240      | Regina    | Harris     | 492.793.2798              | sparksmarc@yahoo.com                | 0.0         | 0.0               | 0.0        | 0.0      | 1       |
| 320  | 321      | Crystal   | Morales    | 2713369268                | kevin17@hotmail.com                 | 0.0         | 0.0               | 0.0        | 0.0      | 1       |
| 412  | 413      | Lorraine  | Bauer      | +1-588-156-0228x989       | joneszachary@gmail.com              | 0.0         | 0.0               | 0.0        | 0.0      | 1       |
| 480  | 481      | Rachel    | Stephenson | +1-519-092-5441x8441      | trankent@stein.com                  | 0.0         | 0.0               | 0.0        | 0.0      | 1       |
| 518  | 519      | Jason     | Reese      | 708-880-2320              | uwright@long.biz                    | 0.0         | 0.0               | 0.0        | 0.0      | 1       |
| 809  | 810      | Travis    | Richardson | (170)446-8434             | barry92@hotmail.com                 | 0.0         | 0.0               | 0.0        | 0.0      | 1       |
| 934  | 935      | Amanda    | Mcguire    | 001-951-226-0629          | harristimothy@yang-<br>humphrey.com | 0.0         | 0.0               | 0.0        | 0.0      | 1       |
| 1110 | 1111     | Omar      | Wheeler    | (846)259-5426             | znguyen@yahoo.com                   | 0.0         | 0.0               | 0.0        | 0.0      | 1       |
| 1203 | 1204     | Jennifer  | Но         | 001-265-198-9492          | thomasmoore@brooks-gray.com         | 0.0         | 0.0               | 0.0        | 0.0      | 1       |
| 1372 | 1373     | Marie     | Rose       | 001-889-969-<br>8402x8147 | brookecortez@brooks.com             | 0.0         | 0.0               | 0.0        | 0.0      | 1       |





#### **Real Estate Dashboard**

Total Sales

1.54bn

Total Revenue

1.02bn

# of Client

1500

# of Properties

Total Visit

5000

Avg Sqr Price

2024

2025

2023

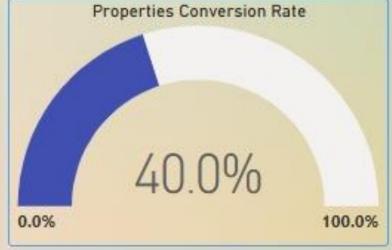
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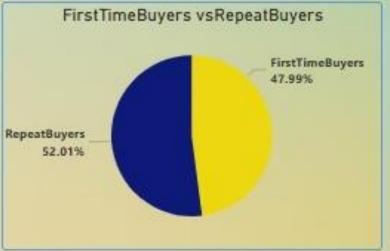












# A

#### **Real Estate Dashboard**

# Sales il

2023

2024

2025























#### **Real Estate Dashboard**

# Properties (



2023 2024

2025







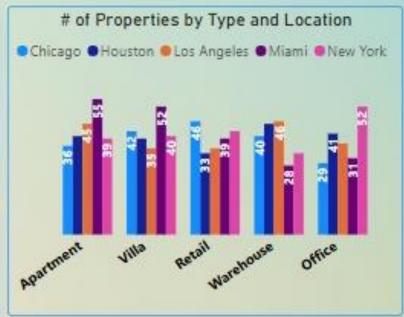




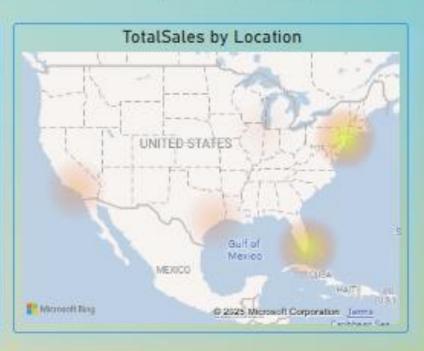








| PropertyID | Location | PropertyType | Visit Count |
|------------|----------|--------------|-------------|
| 353        | Chicago  | Apartment    | 13          |
| 380        | Chicago  | Retail       | 12          |
| 398        | Miami    | Apartment    | 12          |
| 652        | Miami    | Office       | 12          |
| 821        | Miami    | Apartment    | 12          |
| 150        | New York | Villa        | 11          |
| 194        | Houston  | Warehouse    | - 11        |
| 392        | Chicago  | Office       | - 11        |
| 447        | Miami    | Warehouse    | 11          |
| 517        | Chicago  | Warehouse    | 11          |
| 607        | Chicago  | Office       | - 11        |
| Total      |          |              | 182         |



| TotalSales       | TotalVisits                                                                                                                                                                  | 1                                                                                                                                                                                                   |
|------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 6,849,074.00     | 3                                                                                                                                                                            |                                                                                                                                                                                                     |
| 6,072,889.00     | 3                                                                                                                                                                            |                                                                                                                                                                                                     |
| 5,427,562.00     | 6                                                                                                                                                                            |                                                                                                                                                                                                     |
| 5,418,537.00     | 3                                                                                                                                                                            |                                                                                                                                                                                                     |
| 5,387,048.00     | 11                                                                                                                                                                           |                                                                                                                                                                                                     |
| 5,183,565.00     | 7                                                                                                                                                                            |                                                                                                                                                                                                     |
| 5,071,933.00     | 1                                                                                                                                                                            |                                                                                                                                                                                                     |
| 5,053,476.00     | 3                                                                                                                                                                            |                                                                                                                                                                                                     |
| 4,867,272.00     | 1                                                                                                                                                                            |                                                                                                                                                                                                     |
| 4,831,373.00     | 5                                                                                                                                                                            |                                                                                                                                                                                                     |
| 4,796,296.00     | 5                                                                                                                                                                            |                                                                                                                                                                                                     |
| 1,538,949,075.00 | 5000                                                                                                                                                                         |                                                                                                                                                                                                     |
|                  | 6,849,074.00<br>6,072,889.00<br>5,427,562.00<br>5,418,537.00<br>5,387,048.00<br>5,183,565.00<br>5,071,933.00<br>5,053,476.00<br>4,867,272.00<br>4,831,373.00<br>4,796,296.00 | 6,849,074.00 3<br>6,072,889.00 3<br>5,427,562.00 6<br>5,418,537.00 3<br>5,387,048.00 11<br>5,183,565.00 7<br>5,071,933.00 1<br>5,053,476.00 3<br>4,867,272.00 1<br>4,831,373.00 5<br>4,796,296.00 5 |



#### **Real Estate Dashboard**

# Agent&Client



2023

2024

2025















| AgentiD | TotalSales       | TotalVisits | Count of SaleID | ConversionRate |
|---------|------------------|-------------|-----------------|----------------|
| 91      | 24,176,580.00    | 38          | 29              | 76.3%          |
| 100     | 18,243,232.00    | 36          | 24              | 66.7%          |
| 73      | 20,118,590.00    | 36          | 23              | 53.9%          |
| 17      | 19,486,540.00    | 44          | 27              | 61.4%          |
| 67      | 19,568,205.00    | 40          | 24              | 60.0%          |
| 31      | 23,283,861.00    | 48          | 28              | 58.3%          |
| 54      | 19,172,045.00    | 40          | 23              | 57.5%          |
| 6       | 19,635,450.00    | 47          | 26              | 55.3%          |
| 36      | 18,050,192.00    | 49          | 26              | 53.1%          |
| 55      | 12,529,311.00    | 40          | 21              | 52.5%          |
| 61      | 20,447,661.00    | 46          | 24              | 52.2%          |
| 14      | 20.850.801.00    | 48          | 25              | 52.1%          |
| Total   | 1,538,949,075.00 | 5000        | 2000            | 40.0%          |

# Conclusion

#### Built Robust Data Solution

From Azure SQL to Power Bl

# Expand Analysis

Include customer satisfaction and agent performance metrics



### Derived Actionable Insights

That can drive real estate growth

### Continuously Refine

Dashboards and analysis

# Action Plan

3

4

6

1 Norhan Zaid

Safey El Deen Mohamed

Maged Fouad Mohamed

Ramy Elbouhy

Rawan Mohi

abdelghany ahmed



A3Q

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### Questions

Invite questions from the audience



#### Feedback

Welcome feedback on the presentation



#### Discussion

Open floor for further discussion

Invite questions and feedback from the audience.