Riyadh Hotels Dashboard

A Data Analysis

Project by Raghad Al-Badrani

(SACAI Academy Data Analysis Course)

📌 **Riyadh Hotels Dashboard**

🎯 **Project Objective**

Build an interactive dashboard using Power BI to analyze and visualize hotels data in Riyadh. The dashboard helps in:

- Identifying the total number of hotels.

- Analyzing the average hotel prices.

- Comparing average hotel ratings.

- Locating hotels on a map with highlights of price and rating differences.

- Comparing prices and ratings by booking source.

🛠️ **Project Steps**

1. Import Data

The dataset containing hotel information (name, geographic coordinates Latitude/Longitude, price, rating, source, etc.) was imported.

🔗 **Data Source**: Kaggle – Mohammed Alsubaie Datasets

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2. Data Cleaning

- Ensured that the Latitude and Longitude columns are recognized as numeric values.

- Verified and adjusted Price and Rating columns to be ready for calculations.

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3. Create KPI Cards

- **Total Hotels** (total count of hotels).

- **Average Price** (average hotel price).

- **Average Rating** (average hotel rating).

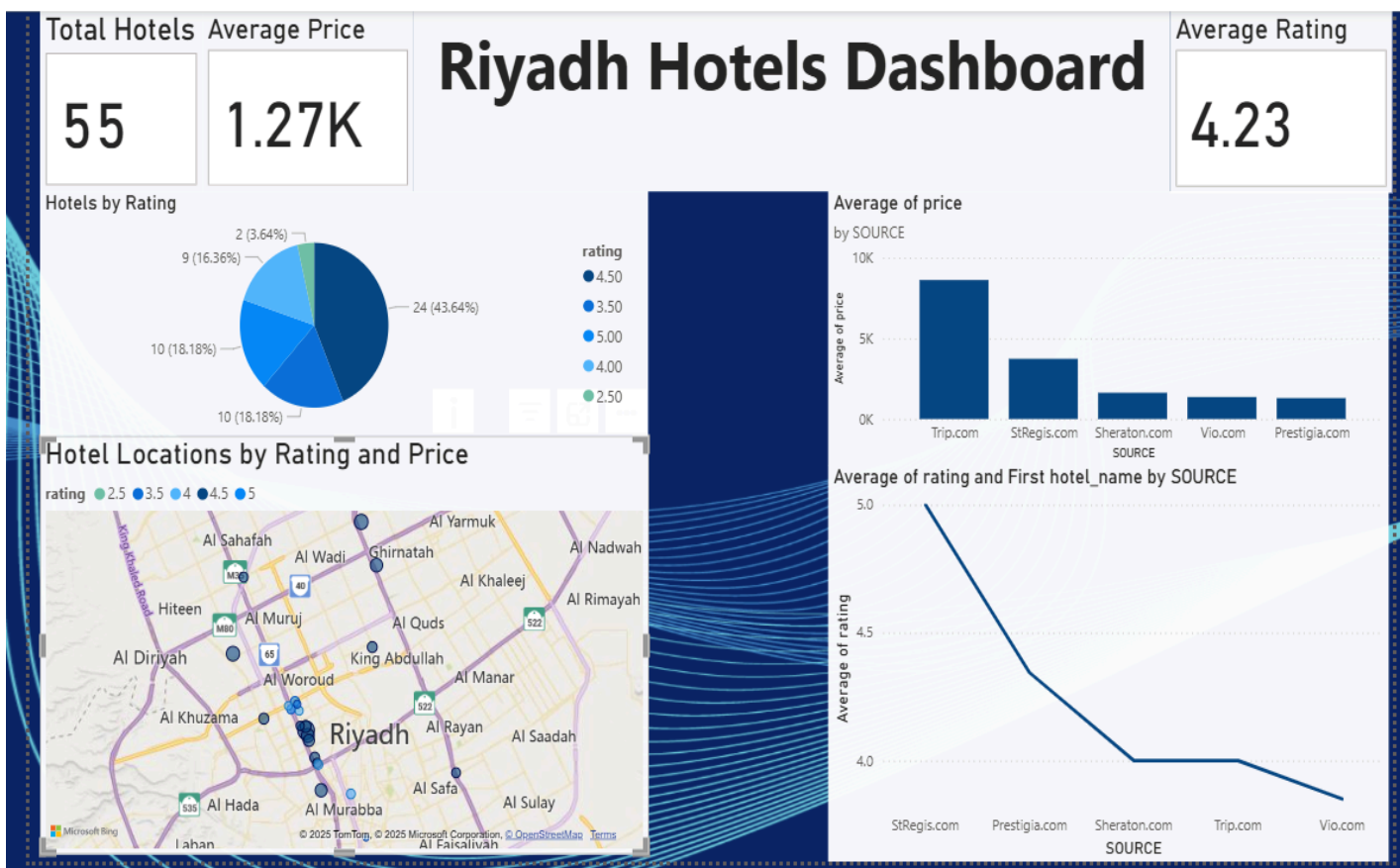| Total Hotels	Average Price	Riyadh Hotels Dashboard	Average Rating
55	1.27K		4.23

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4. Visualizations

- **Pie Chart (Hotels by Rating):** Distribution of hotels by rating.

- **Map Visualization:** Interactive map showing hotel locations in Riyadh using:

  - Latitude and Longitude are used to define locations.

  - Color representing the rating level.

  - Bubble size represents the price.
    ✅ On hover, additional details are displayed:

    - Hotel name.

    - Average price.

    - Average rating.

    - Latitude.

    - Longitude.

- **Bar Chart (Average Price by Source):** Average hotel prices by booking source.

- **Line Chart (Average Rating by Source):** Comparison of average ratings across booking sources.

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5. Dashboard Design

- Applied consistent colors and fonts for better readability.

- Added a main title: **Riyadh Hotels Dashboard**.

- Arranged visuals and KPIs in a balanced layout for clear analysis.

✅ Conclusion

This project is complete and sufficient as a first Power BI project because it:

- Covers all key dataset columns (name, price, rating, location, source).

- Combines KPIs, maps, and diverse charts (Pie, Bar, Line, Map).

- Provides a comprehensive overview of Riyadh hotels.

[Raghad AlBadrani GitHub](#)