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1. Project Overview

Name: Food panda Customer & Restaurant Performance Analysis

Objective: Analyse customer behaviour, restaurant performance, and order trends to

generate actionable insights

Dataset: Food panda transactional dataset (6000 customer records, 18000+ order

entries)

2. Dataset Summary

Rows: ~6000 customers, ~18000 orders

Columns: Demographics, restaurant details, dish, payment, delivery status, rating, date

Key Characteristics: Mixed categorical & numeric, multi-table model

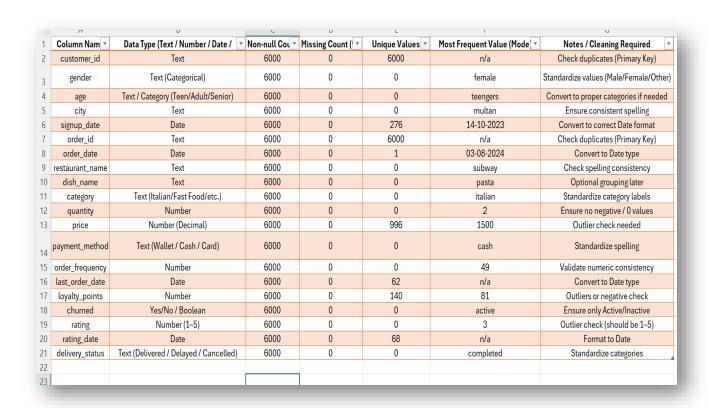
Cleaning Steps: Duplicates removed, date formatted, null values handled, standardized

text

3.Column-wise Assessment Summary

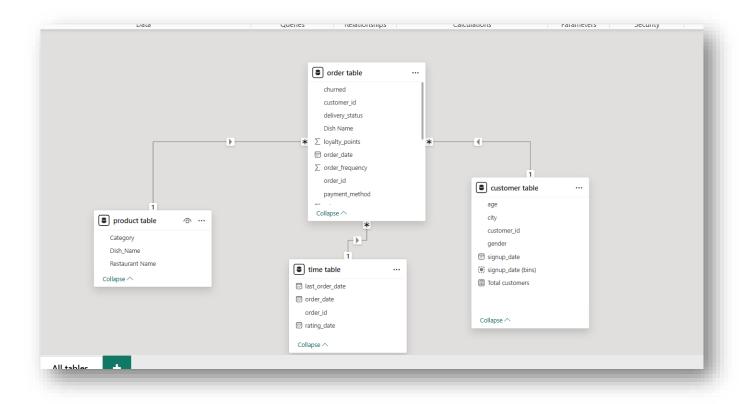
- Gender 3 unique values (Male, Female, Other), no nulls
- Age Group Adult, Senior, Teenager for segmentation
- Restaurant Name 5 unique brands

- Payment Method Cash/Card/Wallet
- Delivery Status Delivered / Delayed / Cancelled
- Dish name 5 unique dishes
- Churned active and non active customers
- Rating
- City 5 unique cities



4.Data Model Overview

- Orders [Customer ID] → Customers[Customer ID] (One-to-Many)
- Orders [Restaurant ID] → Restaurants [Restaurant ID] (One-to-Many)
- Orders[Product ID] → Products[Product ID] (One-to-Many)
- Orders[order ID] → time [order ID] (One-to-Many)



5. Analysis & Insights

- Active customers ~50% of total engagement stable
 - Pasta most preferred dish, Subway highest-rated restaurant
 - Multan contributes highest revenue, highest customers
 - Wallet is most-used payment mode
 - Delivery delays visible for specific brand
- 2024 august 3 have highest order
- August his top signup month
- Mc Donald's have highest cancellation
- Booking by gender female

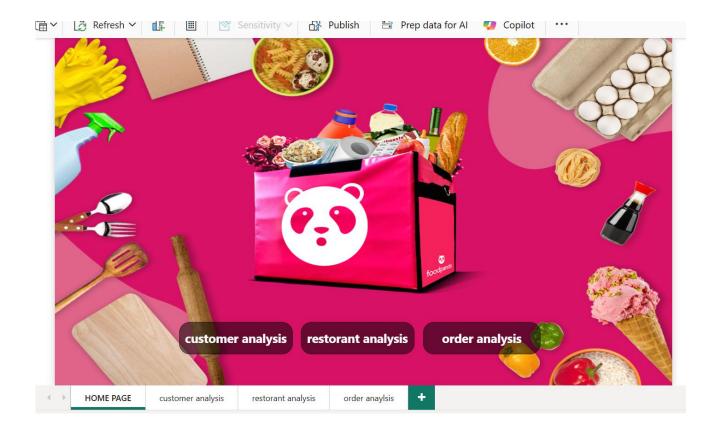
6.Conclusions

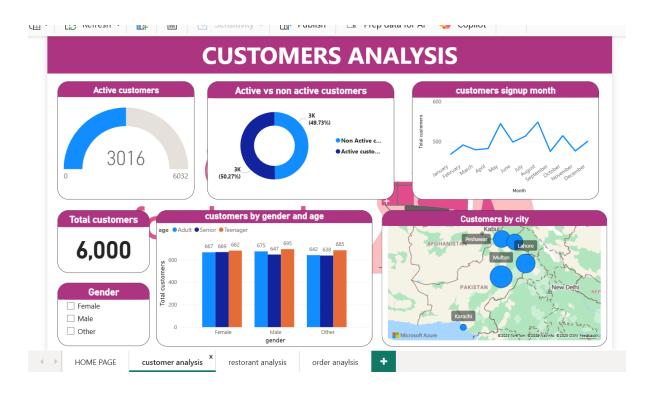
The Food panda performance analysis reveals that the platform has strong customer demand and consistent order activity across major cities. High-performing restaurants like Subway, KFC, and Pizza Hut significantly contribute to overall revenue, with pasta and sandwich items being most preferred by users. However, the analysis also highlights key areas of concern — rising customer inactivity, higher cancellation/delay ratios in specific cities, and limited repeat engagement from certain customer segments.

7. Recommendations

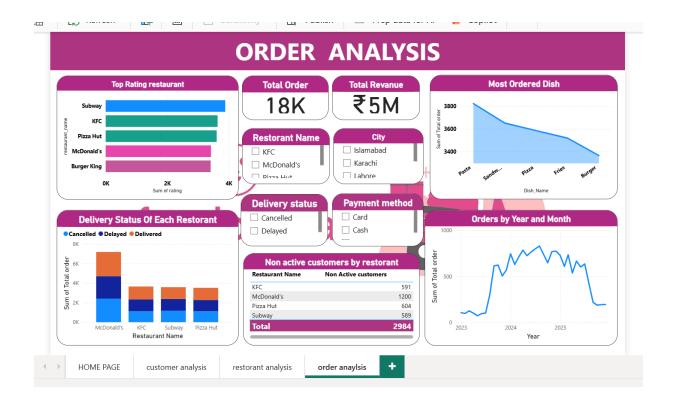
- Loyalty program for repeat customers
- Improve delivery efficiency for delayed regions
- Promote top-rated restaurants & trending dish seasons
- reactivating inactive users, Invest in reactivation campaigns (emails / offers)
 targeted at inactive segments and tailor premium offers for the high-value cohort.
- Pasta and sandwich appear among top-selling items useful for promotions and cross-sell bundles.
- Multan show higher revenue consider local marketing and partner investments there.
- Delays and cancellations damage customer trust and reduce repeat business.
- Promote Prepaid Payments (Medium Impact, Low Effort) Offer small incentives or discounts for Wallet/Card use to reduce COD cancellations.
- Create tiered benefits (free delivery, early access to promos) for top repeat customers to increase order.

8. Dashboard Overview









9. Notes / Limitations

- Limited historical years
- External factors (festivals, promotions) not included
- Only Food panda dataset no competitor benchmarking