

Lee Wee Traditionally ACCT414 (SMU-X): Accounting Analytics Capstone brothers ACCT414 (SMU-X): Accounting Analytics Capstone designed by: Lau You xun edbert, Lee Pei Ying Jasmin, Lydia Koey Jing Hui, Naomi Book Weng Leng, Ng Zi Yuan

To consistently deliver LWB's culinary delights to their valued customers, how can the relevant data be leveraged for the identification and analysis of LWB's key target audience and its characteristics to refine business strategies and better cater to customer preferences and needs?

PROJECT OBJECTIVES AND APPROACHES

Data within visualisations are redacted for confidentiality purposes.

CUSTOMER PROFILING

Customer segments identified based on relevant characteristics such as demographics and preferences.

GEOGRAPHICAL ANALYSIS

We identified LWB's customer segments based on their geographic locations through the following methods:



(1) Postal Address (PO) & Street Address (SA) **Postal Code**

Interactive maps created are able to reflect various useful statistics which are changeable upon clicking on particular district(s).

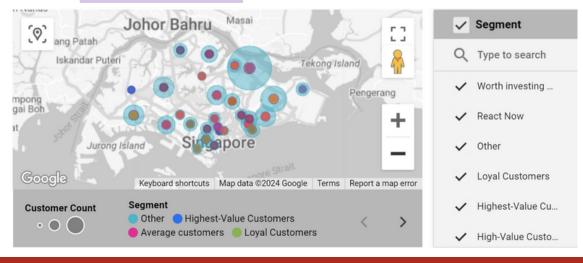


(2) Statistical Breakdown by Geographical Region

These geographical region statistics provide key insights into customer numbers and spending patterns across different geographical regions. By examining the data, we can identify both popular and less popular areas.

RECENCY-FREQUENCY-MONETARY (RFM) ANALYSIS

LWB's customers are classified based on their purchase recency, frequency, and total spending, enabling insights on valuable customers and better informed decisions for customer targeting.



CUSTOMER BUYING BEHAVIOURS

Applying analytical techniques to analyse and predict customers' buying patterns.

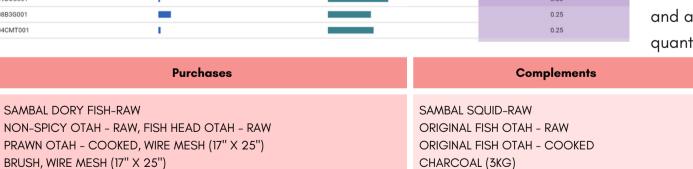
PRODUCT ANALYSIS

Our team analysed the overall popularity of products through the following methods:



(2) Ranked by Frequency of Orders and Quantity Ordered

We grouped products by its item code, and calculated a combined score with different assigned weights; a higher weight is allocated to frequency of orders and a lower weight is allocated to quantity ordered.



We identified which products complement each other through analysis of previous purchases.

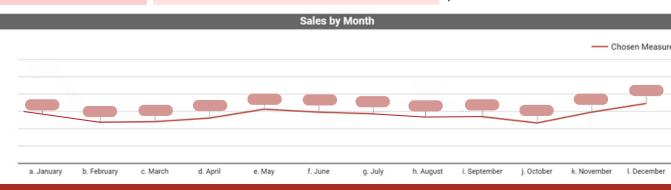
(3) Market Basket Analysis

TIME SERIES ANALYSIS

NON-SPICY OTAH - COOKED, MUTTON SATAY - RAW (50 STICKS)

08B3J001

Trends of LWB's orders are analysed by leveraging seasonality to aid the forecasting of future demand.



CHICKEN SATAY - RAW (50 STICKS)



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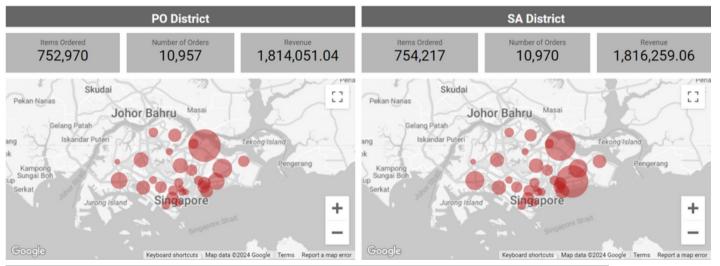
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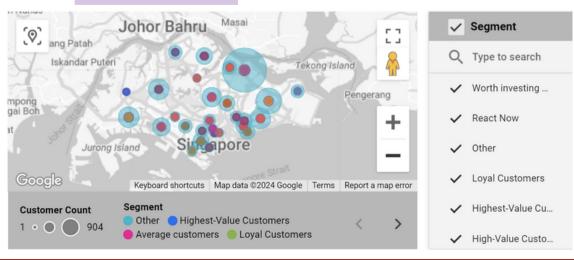
Total Spendings * Zone No. Of Customers **Average Spendings** \$671,083 north east \$601.559 \$499,909 central \$321,177 \$182,559 \$154,560

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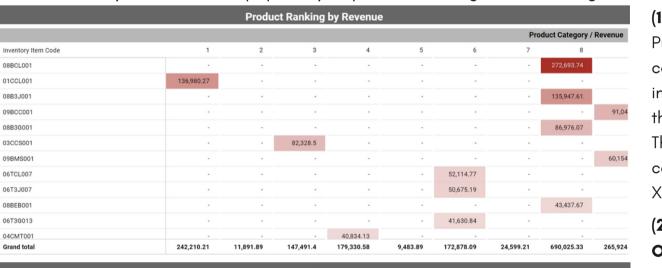


CUSTOMER BUYING BEHAVIOURS

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PRODUCT ANALYSIS

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Purchases Complements SAMBAL SQUID-RAW SAMBAL DORY FISH-RAW ORIGINAL FISH OTAH - RAW NON-SPICY OTAH - RAW, FISH HEAD OTAH - RAW PRAWN OTAH - COOKED, WIRE MESH (17" X 25") ORIGINAL FISH OTAH - COOKED BRUSH, WIRE MESH (17" X 25") CHARCOAL (3KG) NON-SPICY OTAH - COOKED, MUTTON SATAY - RAW (50 STICKS) CHICKEN SATAY - RAW (50 STICKS)

(1) Ranked by Revenue

Products are divided into separate categories, with its respective inventory item code reflected on the Y-axis.

The total revenue of each product category are represented on the X-axis.

(2) Ranked by Frequency of Orders and Quantity Ordered

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