



Savory Solutions for Spice Haven Restaurant

Analytics Team: Azzah, Mohammed,
Wardah, Reema, Amjad





Outlines

- **About Tiller**
- **About The Dataset**
- **Explorations and Insights.**
- **Our User Story(Spice Haven Restaurant)**
- **Spice Haven Business needs**
- **Dashboard Senario**
- **Recommendation and Conclusion**



TILLER

About Tiller

for SumUp Restaurants

About Tiller

Tiller is an innovative and complete ecosystem offers you touchscreen software to ensure your organized work (payment, reservation, monitoring...)

Problem

The platform lacks analytical tools that are necessary to track client behavior and enhance business operations.

Objective

Dashboard that is dynamic and clear. Identification of business improvement needs in a simplified manner.

About The Dataset

Data Range: From 22/10/2015 To 18/11/2020



Exploring and
Cleaning



Implement the
Results



Connect to
Dashboard



Store_data

- **Id_store**
- date_created
- dim_zipcode
- dim_country
- dim_currency

Order_data

- **id_order**
- **Id_store**
- id_waiter
- id_table
- Id_device
- date_opened
- date_closed
- dim_status
- dim_source
- m_nb_customer
- m_cached_payed
- m_cached_price

Order_line

- id_order_line
- **id_order**
- date_opended
- date_created
- m_quantity
- m_unit_price
- m_unit_price_exc_vat
- m_total_price_inc_vat
- m_total_price_exc_vat
- m_tax_percent
- m_discount_amount
- dim_feature_type
- dim_unit_measure
- dim_unit_measure_display
- dim_type
- dim_category
- dim_name
- dim_status
- dim_category_translated
- dim_name_translated

About The Dataset

Data Range: From 22/10/2015 To 18/11/2020



Exploring and
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Implement the
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Connect to
Dashboard



Store_data

- **id_store**
- date_created
- dim_zipcode
- dim_country
- dim_currency
- *store_type*
- *store_service*

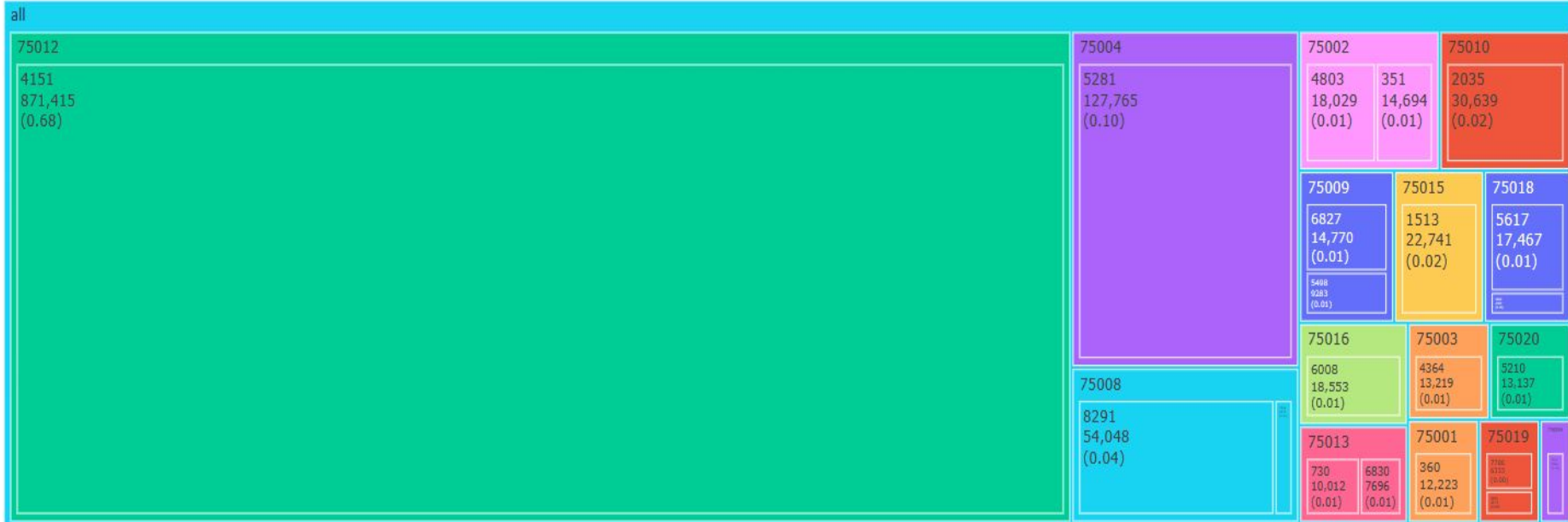
Order_data

- **id_order**
- **id_store**
- id_table
- id_waiter
- date_opened
- date_closed
- m_nb_customer
- m_cached_payed
- m_cached_price
- *time_spent*
- *order_type*

Order_line

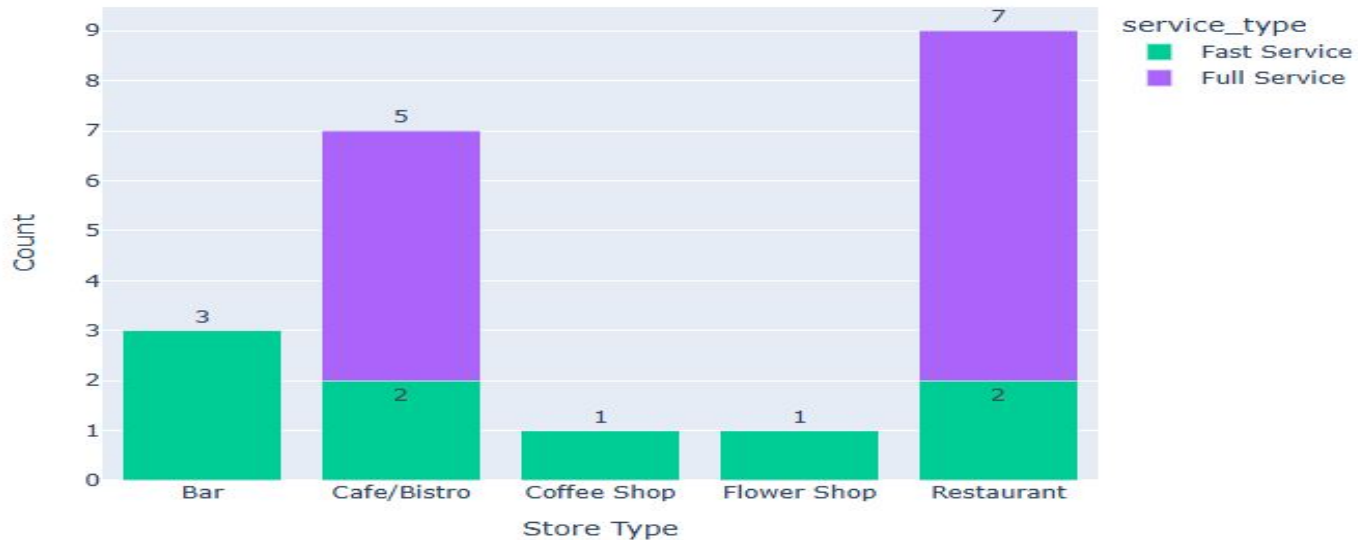
- id_order_line
- **id_order**
- date_opened
- date_created
- m_quantity
- m_unit_price
- m_unit_price_exc_vat
- m_total_price_inc_vat
- m_total_price_exc_vat
- m_tax_percent
- m_discount_amount
- dim_type
- dim_category
- dim_name
- dim_status
- dim_category_translated
- dim_name_translated
- *menu_type*
- *item_price_level*

Data distribution among the 21 stores.



Visual insight of The Dataset

Distribution of stores by service Type: Fast and full services

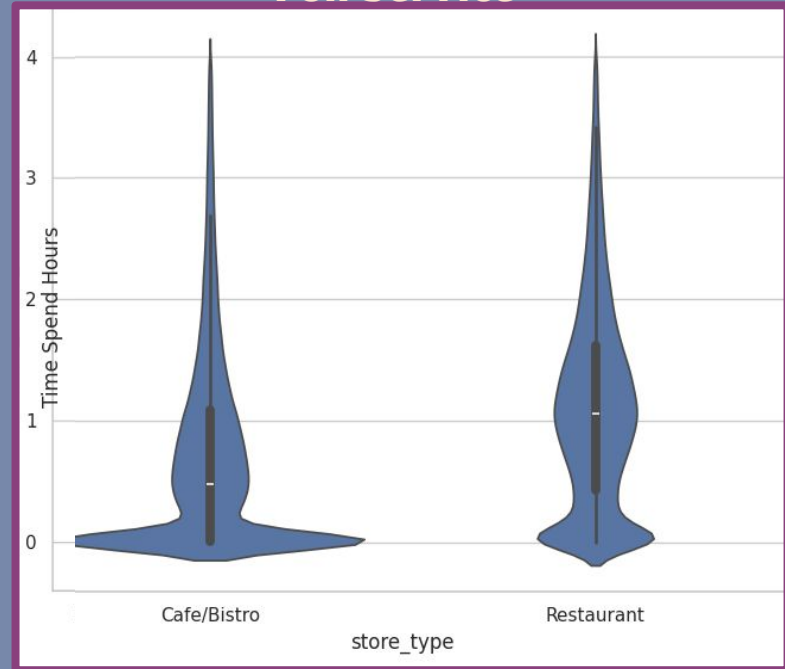


Visual insight of The Dataset

Fast Service:



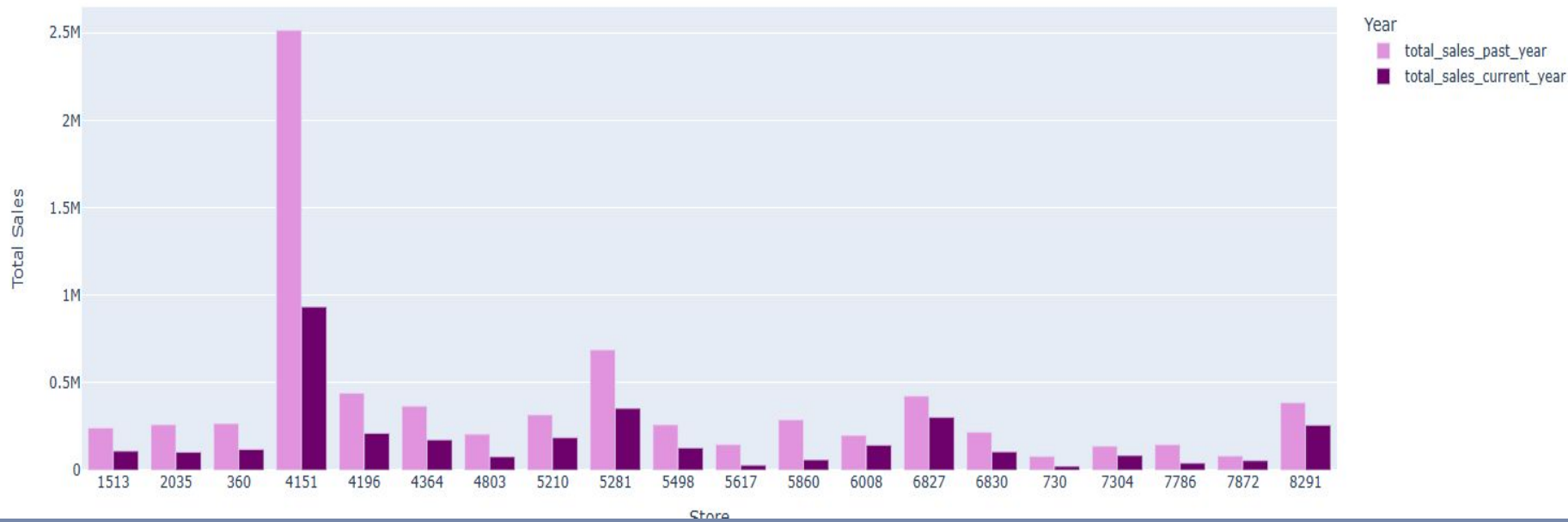
Full Service:





Negative impact of Covid-19

Sales of Current Year "2020" vs previous Year





User Story

During the Corona pandemic ,one of the Tiller's client's main issue is that, Tiller provided him a data without any analysis ,We were hired as a data analytics team to help him.



Business needs

After meeting with MR.Raj the owner of Spice Haven and his team:

- **Overview of Spice Haven Sales KPIs.**
- **Monthly Sales analysis.**
- **Categories and Items Performance.**
- **Time Performance analysis.**



Sales Overview

Monthly Sales

Top 10 Categories

Time Performance

Year

2020

Month

All

Sales

€ 119K

No. Transactions

2.576K

Avg Sales per Order

€ 42.5

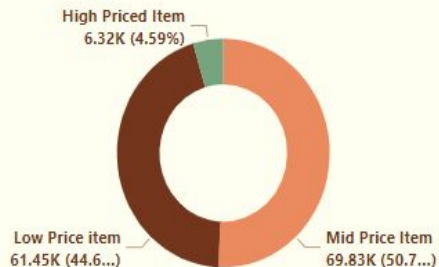
No. Customers

5K

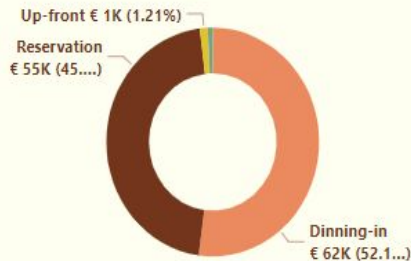
Average Sales Per...

€ 21.71

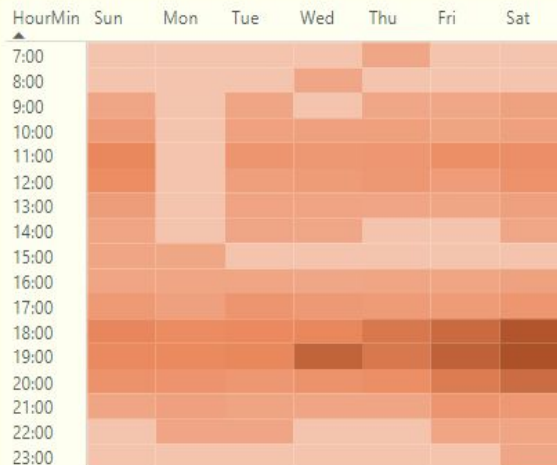
Sales by Item Price Level



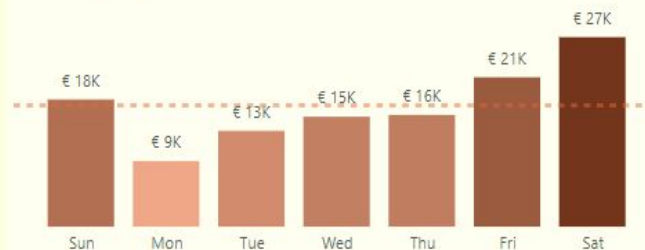
Sales by Order Type



Sales of Top 10 Categories



Sales by Day



Sales Overview

Monthly Sales

Top 10 Categories

Time Performance

Year

2020

Month

All

Avg. Sales and No. Orders by Month



Avg. Sales Per Customer and No. Customers by Month



Sales Evolution over Time

Year ● 2020



Year	January	February	March	April	May	June	July	August	September	October	November	Total
2020	€ 21,970	€ 21,365	€ 6,468	€ 0	€ 2,165	€ 8,578	€ 12,507	€ 12,279	€ 15,882	€ 15,105	€ 2,786	€ 119,106

Sales Overview

Monthly Sales

Top 10 Categories

Time Performance

Year

2020

Month

All

No. Categories

30

No. Items

227

Quantity Sold

19K

Sales of Top 10 Items

€ 49K

% of Sales of Top 10 Items

41.42%

Quantity Sold of Top 10 Items

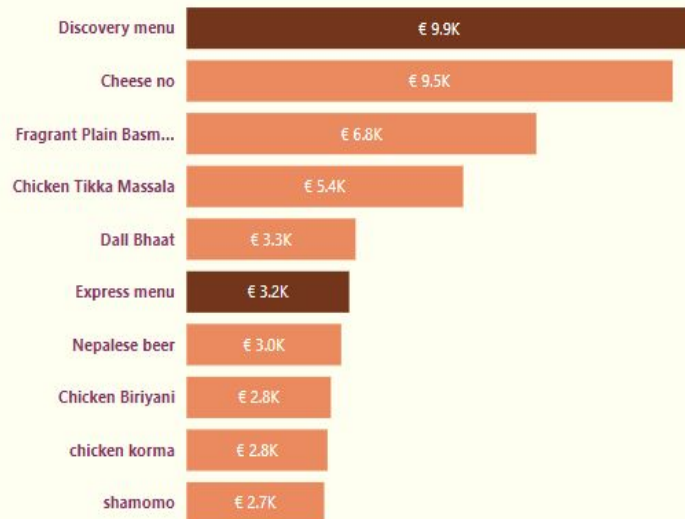
7K

% of Quantity Sold of Top 10...

34.95%

Category	Sales	Sales% of Total	Unit Price	Quantity Sold
Dishes / Chicken	17,527.95	14.72%	12.69	1411
Menu	17,015.94	14.29%	19.08	893
Pain	13,917.50	11.69%	3.67	3876
Dishes / Lamb	9,731.05	8.17%	13.43	743
Rice	9,157.25	7.69%	4.12	2269
Tibetan dishes	8,633.10	7.25%	13.23	664
Royal biryani	8,394.55	7.05%	14.03	610
Vegetables	7,872.75	6.61%	9.25	865
Tandoori starters	5,772.70	4.85%	8.79	672
Appetizers / Soups / Salads	5,443.00	4.57%	6.81	822
Fish - Shrimps - Prawns	3,692.60	3.10%	14.43	267
Desserts	3,550.50	2.98%	6.08	593
Beers	3,538.50	2.97%	5.00	713
Traditional Nepalese dish	3,299.40	2.77%	19.50	174
Drinks	3,179.00	2.67%	3.72	855
PDO Red Wines	2,613.00	2.19%	18.05	145
Tibetan entry	2,277.70	1.91%	6.65	357
Tea/coffee	2,229.00	1.87%	3.09	718
Appetizers	1,885.00	1.58%	5.41	349
Total	119,105.51	100.00%	6.28	19308

Sales of Top 10 items



Menu Type ● Fixed Menu ● Individual Items Menu



Sales Overview

Monthly Sales

Top 10 Categories

Time Performance

Min. Time Duration to Close Orders

00:00:08

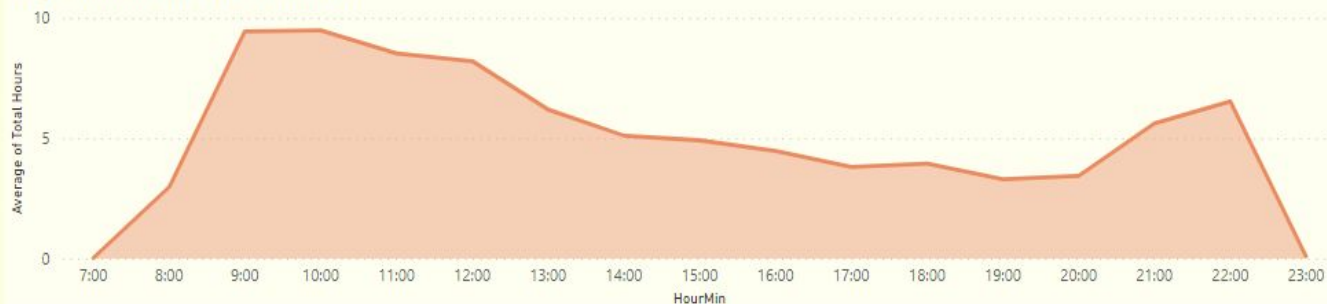
Avg. Time Duration to Close Orders

04:59:11

Max. Time Duration to Close Orders

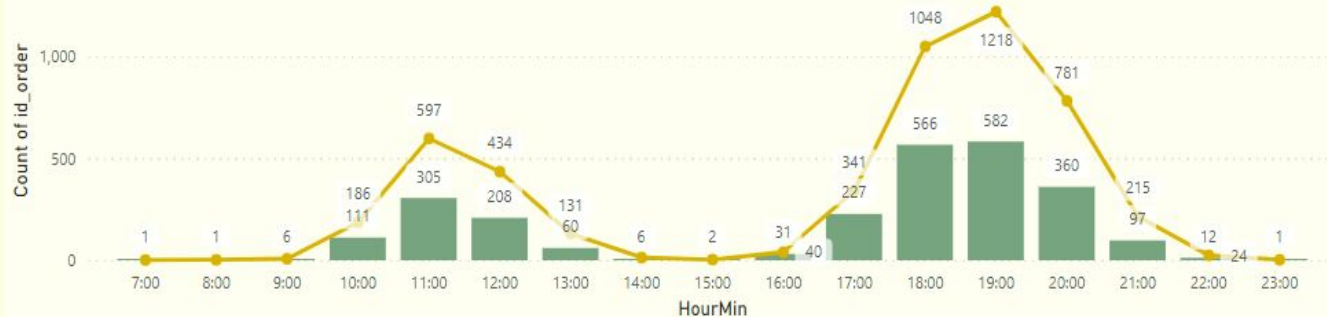
1d 08:14:13

Avg. Duration to Close an Order.



No. Transactions and No. Customers per Hour

● Count of id_order ● Sum of m_customers_nb



Recommendations and Conclusions



- **Encouraging** staff to use their own account to develop and measure the quality of work.



- **Order type** is not mentioned in the data, which will affect our business analysis goal.



- The owner can promote "higher priced items" to increase revenue.



- **Categories and item names SHOULD** be classified within specific policies to ensure accuracy.



Thank You..

