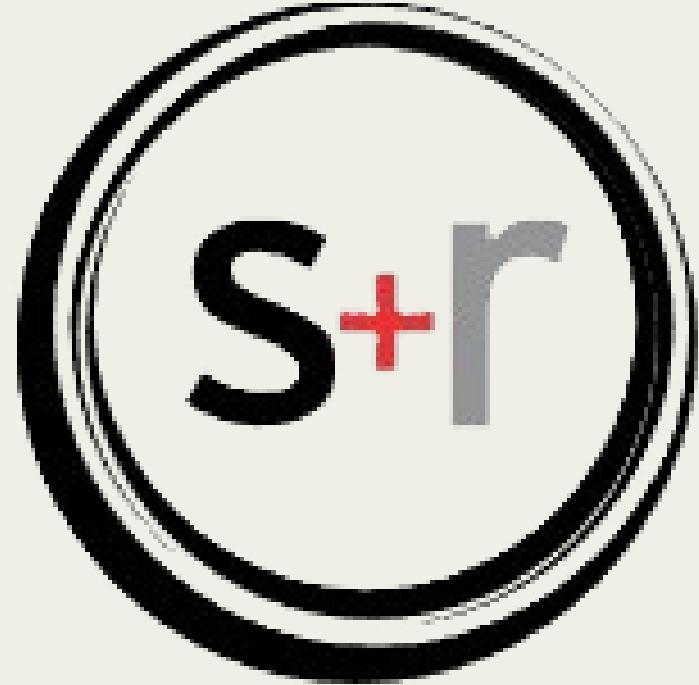


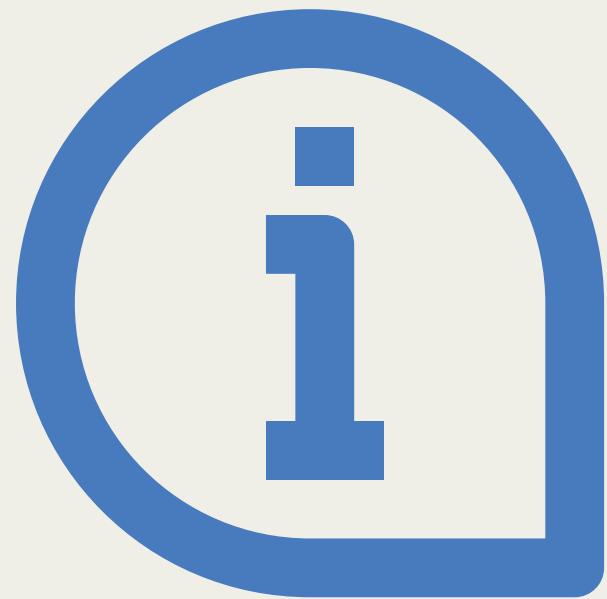
Internship Progress Report



slavinraphael

YASH RAJESH DOSHI

ABOUT THE COMPANY



Toronto-based multi-branded fashion sales agency with nearly **40 years** of industry leadership, specializing in premium footwear and apparel distribution across North America.



- Operate a 15,000 sq. ft. **curated showroom**
- Specialize in **wholesale distribution** of mid-luxury **footwear and apparel**
- **Build and represent** premium fashion brands across North America



Trusted by major retailers like:

- **Marshalls**
- **Winners**
- **Hudson's Bay**
- **Walking on a Cloud**



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PROJECT 1



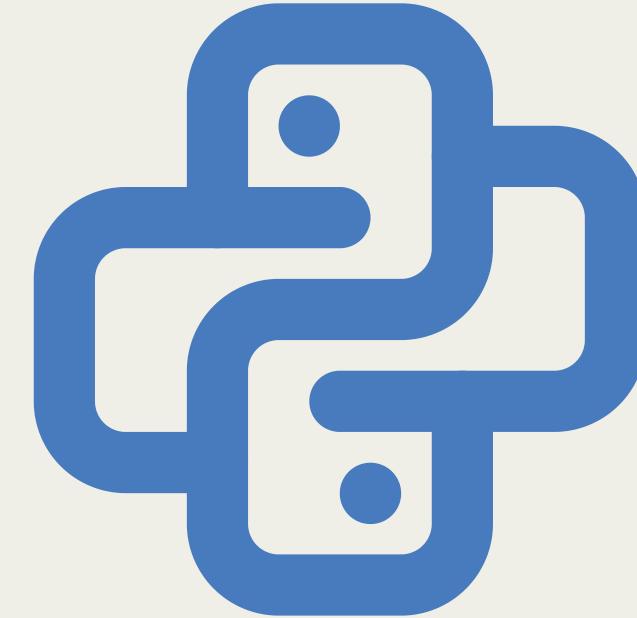
Problem

- Slavin Raphael needs **clear visibility into purchasing patterns** from their key supplier, **Tiger of Sweden**, to improve financial planning.
- They require **estimated monthly purchase forecasts for March to June 2025 (Q2)** to support cash flow planning.



Objectives

- Analyze **historical purchase trends** from Tiger of Sweden
- Build a **forecasting model to predict** monthly purchase amounts
- Generate **reliable forecasts for March–June 2025** to support the finance team in setting **Q2 purchase budgets**



Tools Used

- Python Libraries (Pandas, Matplotlib, Statsmodels - ARIMA) and Excel (preliminary cleaning).



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RAW DATA PREPROCESSING

Supplier Statement											
Transactions: All											
Slavinraphael Distribution Inc.											
1293 Caledonia Road,											
Toronto, ON, Canada, M6A 2X7											
Tel.: (416) 703-8338	Toll Free:										
Fax: (416) 703-7083	Web Site:	www.slavinraphael.com									
Email: info@slavinraphael.com											
Supplier: ICGROUPEURO											
Attn: IC Group- Currency Euro											
Raffinaderivej 10											
Copenhagen S., Denmark											
DK 2300											
Tel.: 4532667788	Fax: 4532667701										
2019-11-13 VBL-1007057	3590	VB	Paid	Net 30	EUR	1945	1,605.00	1,605.00	0.00	0.00	
2019-11-26 VBL-1006812	I396231	VB	Paid	Net 30	EUR	1932	992.80	992.80	0.00	0.00	
2019-11-27 VBL-1006930	I397579	VB	Paid	Net 30	EUR	1931	322.56	322.56	0.00	0.00	
2019-11-27 VBL-1007056	I397580	VB	Paid	Net 30	EUR	1931	322.56	322.56	0.00	0.00	
2019-12-16 VBL-1006980	I398584	VB	Paid	Net 30	EUR	1912	188.00	188.00	0.00	0.00	
2019-12-27 VBL-1006982	I399288	VB	Paid	Net 30	EUR	1901	114.00	114.00	0.00	0.00	
2020-01-21 VBL-1007115	I400782	VB	Paid	Net 30	EUR	1876	331.84	331.84	0.00	0.00	
2020-01-21 VBL-1007116	I400783	VB	Paid	Net 30	EUR	1876	71.00	71.00	0.00	0.00	
2020-01-29 VBL-1007165	I401527	VB	Paid	Net 30	EUR	1868	172.00	172.00	0.00	0.00	
2020-01-29 VBL-1007166	I401528	VB	Paid	Net 30	EUR	1868	1,315.12	1,315.12	0.00	0.00	
2020-01-29 VBL-1007167	I401532	VB	Paid	Net 30	EUR	1868	176.80	176.80	0.00	0.00	
2020-02-06 VBL-1007206	I402017	VB	Paid	Net 30	EUR	1860	374.76	374.76	0.00	0.00	

Inv Date	Invoice #	Document #	Tx Type	Paid	Terms	Cur	Aging	Invoice Total	Amount Paid	Disc.	Amount Due
13-11-2019	VBL-1007057	3590	VB	Paid	Net 30	EUR	1945	1,605.00	1,605.00	0	0
26-11-2019	VBL-1006812	I396231	VB	Paid	Net 30	EUR	1932	992.80	992.80	0	0
27-11-2019	VBL-1006930	I397579	VB	Paid	Net 30	EUR	1931	322.56	322.56	0	0
27-11-2019	VBL-1007056	I397580	VB	Paid	Net 30	EUR	1931	322.56	322.56	0	0
16-12-2019	VBL-1006980	I398584	VB	Paid	Net 30	EUR	1912	188.00	188.00	0	0
27-12-2019	VBL-1006982	I399288	VB	Paid	Net 30	EUR	1901	114.00	114.00	0	0
21-01-2020	VBL-1007115	I400782	VB	Paid	Net 30	EUR	1876	331.84	331.84	0	0
21-01-2020	VBL-1007116	I400783	VB	Paid	Net 30	EUR	1876	71.00	71.00	0	0
29-01-2020	VBL-1007165	I401527	VB	Paid	Net 30	EUR	1868	331.84	331.84	0	0
29-01-2020	VBL-1007166	I401528	VB	Paid	Net 30	EUR	1868	1,315.12	1,315.12	0	0
29-01-2020	VBL-1007167	I401532	VB	Paid	Net 30	EUR	1868	176.80	176.80	0	0
06-02-2020	VBL-1007206	I402017	VB	Paid	Net 30	EUR	1860	374.76	374.76	0	0
21-02-2020	VBL-1007289	I403133	VB	Paid	Net 30	EUR	1845	1,632.00	1,632.00	0	0
26-02-2020	VBL-1007356	I403725	VB	Paid	Net 30	EUR	1840	311.00	311.00	0	0
12-03-2020	VBL-1007496	I404539	VB	Paid	Net 30	EUR	1825	70.00	70.00	0	0
12-03-2020	VBL-1007497	I404540	VB	Paid	Net 30	EUR	1825	342.72	342.72	0	0
08-04-2020	VBL-1007642	I404533	VB	Paid	Net 30	EUR	1798	2,690.08	2,690.08	0	0
08-04-2020	VBL-1007649	I404532	VB	Paid	Net 30	EUR	1798	516.80	516.80	0	0
01-05-2020	VBL-1008119	I397579A	VB	Paid	Net 30	EUR	1775	-322.56	-322.56	0	0
22-05-2020	VBL-1007796	I406590	VB	Paid	Net 30	EUR	1754	6,390.64	6,390.64	0	0

Extract

- Supplier Statement from Visual ERP
- Had no data headings, all data types were strings.
- Imported report to Excel

Transform (Part-1)

- *TOS_Stmt.csv* - Contains Invoice Data (Nov 2019 - Feb 2025)
- 1283 records in total

FURTHER CLEANING OF DATA

```
[1] import pandas as pd
    import matplotlib.pyplot as plt

[2] # Load the dataset
    df = pd.read_csv("TOS_Stmt.csv")

[3] # Clean column names and remove duplicates
    df.columns = df.columns.str.strip()
    df = df.drop_duplicates()

[4] # Convert date and amount columns
    df['Inv Date'] = pd.to_datetime(df['Inv Date'], format='%d-%m-%Y', errors='coerce')
    df['Invoice Total'] = df['Invoice Total'].replace(',', ' ', regex=True).astype(float)

▶ #Summarising the dataset
df.info()

→ <class 'pandas.core.frame.DataFrame'>
Index: 1284 entries, 0 to 1283
Data columns (total 12 columns):
 #   Column      Non-Null Count  Dtype  
--- 
 0   Inv Date    1283 non-null   datetime64[ns]
 1   Invoice #   1283 non-null   object  
 2   Document #  1283 non-null   object  
 3   Tx Type    1283 non-null   object  
 4   Paid        1283 non-null   object  
 5   Terms       1283 non-null   object  
 6   Cur         1283 non-null   object  
 7   Aging       1283 non-null   float64 
 8   Invoice Total 1283 non-null   float64 
 9   Amount Paid 1283 non-null   object  
 10  Disc.       1283 non-null   float64 
 11  Amount Due  1283 non-null   object  
dtypes: datetime64[ns](1), float64(3), object(8)
memory usage: 130.4+ KB
```

Transform (Part-2)

<-- *Dropping duplicates and trimming spaces in columns*

<-- *Changing Data Types for Inv_Date and Invoice_Total columns to datetime and float respectively.*

<-- *Data Summary to check for nulls before proceeding - no nulls.*

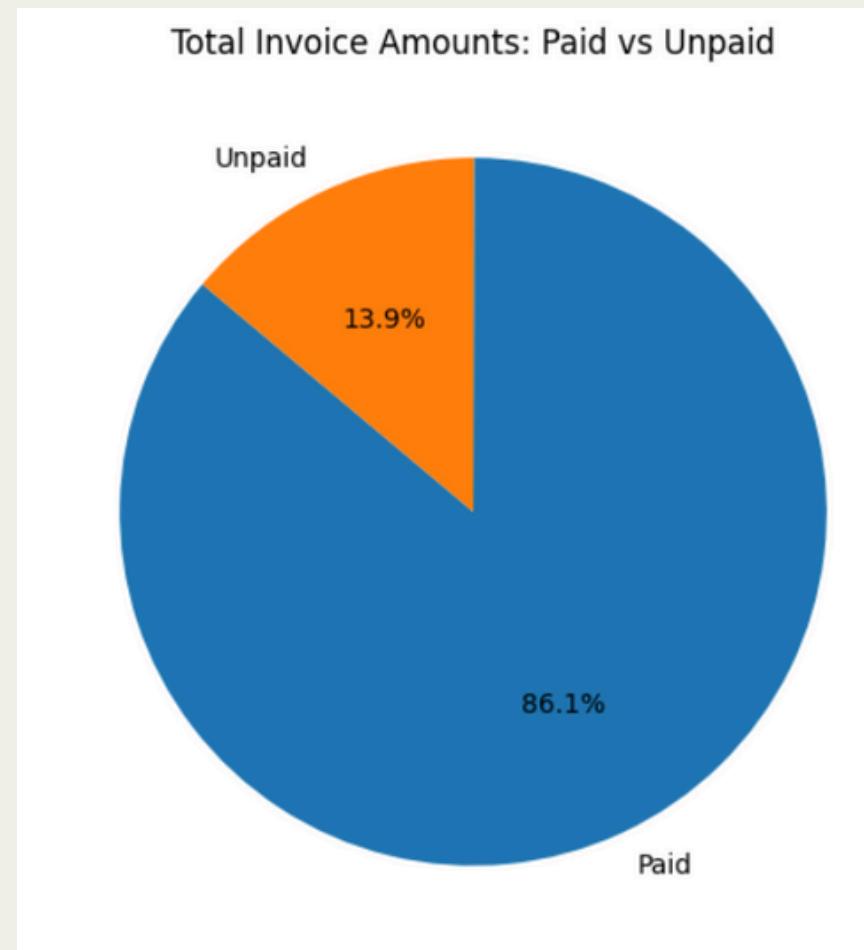
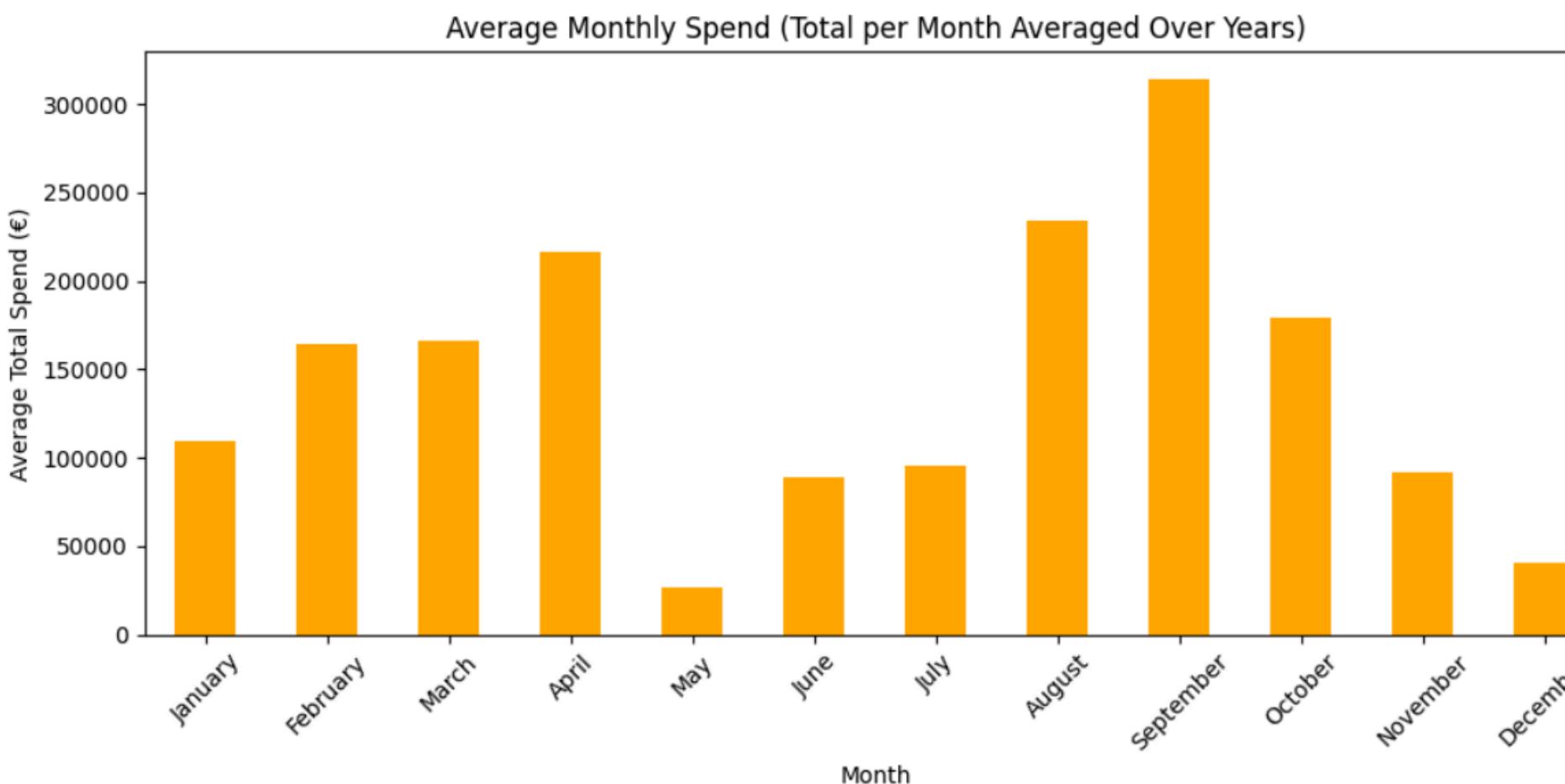
Historical Trends

```
[10] # Step 1: Group by Year and Month to get total amount spent per month
monthly_totals = df.groupby(['Year', 'Month'])['Invoice Total'].sum().reset_index()

[11] # Step 2: Average the monthly totals over the years (i.e., for each month across all years)
avg_monthly_spend = monthly_totals.groupby('Month')['Invoice Total'].mean()

[12] # Step 3: Order months correctly
ordered_months = ['January', 'February', 'March', 'April', 'May', 'June',
                  'July', 'August', 'September', 'October', 'November', 'December']
avg_monthly_spend = avg_monthly_spend.reindex(ordered_months)

# Step 4: Plot the result
plt.figure(figsize=(10, 5))
avg_monthly_spend.plot(kind='bar', color='orange')
plt.title('Average Monthly Spend (Total per Month Averaged Over Years)')
plt.ylabel('Average Total Spend (€)')
plt.xlabel('Month')
plt.xticks(rotation=45)
plt.tight_layout()
plt.show()
```



```
plt.figure(figsize=(7, 7))
wedges, texts, autotexts = plt.pie(
    invoice_status_counts,
    labels=invoice_status_counts.index,
    autopct='%.1f%%',
    startangle=140,
    colors=colors[:len(invoice_status_counts)],
    textprops={'fontsize': 12, 'color': 'black'}
)

# Add title with extra padding to avoid overlap
plt.title('Invoice Payment Status', fontsize=16, fontweight='bold', pad=30)

# Ensure pie is a circle and prevent overlapping
plt.axis('equal')
plt.tight_layout()
plt.show()
```

--> Paid vs Unpaid Invoice Status

- **86% of total invoice amounts are paid – a strong cash flow indicator.**
- **⚠️ 14% unpaid signals a need to tighten follow-ups or credit terms.**

→ Average Purchase by Month

- **September sees peak average spend – key for fall inventory planning.**
- **May & December are low spend months – review procurement strategy.**



Purchase Forecasting Model

Code for setting up ARIMA

```
[27] # Group and prepare data
monthly_data_arima = df.groupby(df['Inv Date'].dt.to_period('M'))['Invoice Total'].sum()
monthly_data_arima.index = monthly_data_arima.index.to_timestamp()

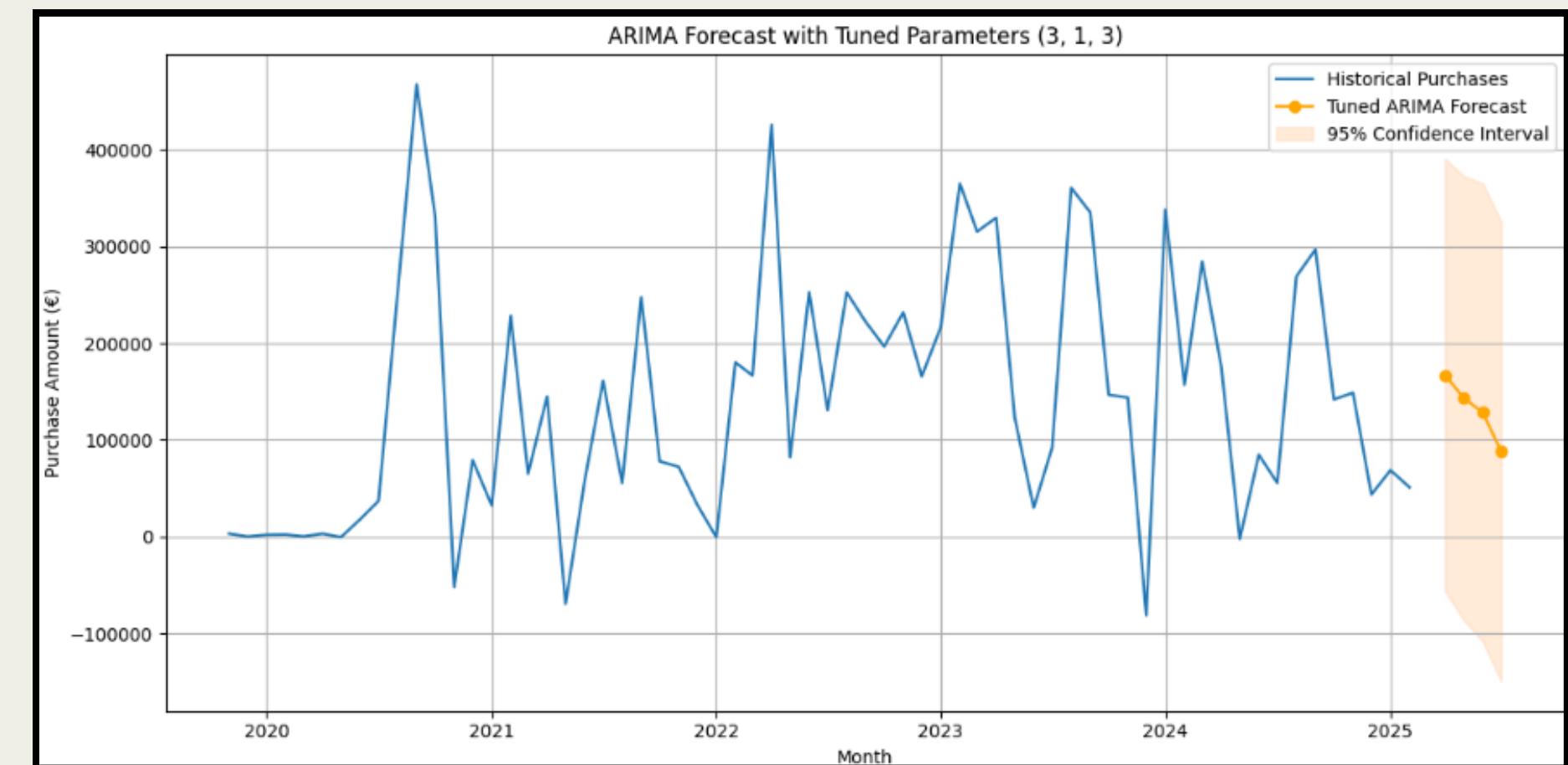
[28] # Fit ARIMA model
model = ARIMA(monthly_data_arima, order=(1, 1, 1)) # basic config
fitted_model = model.fit()

[30] # Prepare forecast data
forecast_mean = forecast_result.predicted_mean
forecast_ci = forecast_result.conf_int()

[31] # Ensure numeric types
forecast_mean = forecast_mean.astype(float)
forecast_ci = forecast_ci.astype(float)

[32] # Forecast dates
forecast_dates = pd.date_range(start='2025-03-01', periods=forecast_steps, freq='MS') + MonthEnd(0)
```

Forecasted Purchases Visualization



Month	Forecasted Purchase	Lower Bound (€)	Upper Bound (€)
March 2025	\$ 1,67,086.52	\$ -56,440.89	\$ 3,90,613.92
April 2025	\$ 1,43,421.37	\$ -85,847.17	\$ 3,72,689.91
May 2025	\$ 1,28,568.60	\$ -1,08,069.38	\$ 3,65,206.58
June 2025	\$ 88,046.02	\$ -1,49,168.63	\$ 3,25,260.67
Total	\$ 5,27,122.51		\$ 14,53,771.09

Forecasted Purchase Amounts

Insights - Cash Flow Budgetting

- *Slavin Raphael should plan for a baseline purchase reserve of **€528K** for Q2 2025, based on forecasted values.*
- *To stay fully agile, maintaining a flexible cash buffer of up to **€1.45M** will ensure readiness for peak inventory demand or supplier shifts.*

PROJECT 2



Problem

- Slavin Raphael faced **high return rates from a major client**, affecting margins and inventory flow.
- Lack of visibility **into return-heavy SKUs, stores, and provinces** made targeted action difficult



Objectives

- Identify the most returned products and their regions.
- Analyze return trends to detect seasonal patterns.
- Highlight high-return SKUs to support repurposing decisions.
- Provide actionable insights to customer service and sales teams to reduce future returns.



Tools Used

- Excel for initial data cleaning and shaping.
- Power BI for dashboarding and communicating return insights visually.



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Pre-Requisite Data Cleaning for Sales Return Data

Initial Datasets from Visual ERP had a few problems:

1: Store names saved as codes

Customer	Ship To	CustomerPO	Store	Tx Nbr	ProductType	Product	Color	Size	QtyTotal
HBCCONSESSION	Hbc Concession - Montreal	20250125	Montrealq1601	SCM-1005259	Mix & Match Blazer	T71152020	1U4-Burlywood	44 - 160	-1
HBCCONSESSION	Hbc Concession - Vancouver	20250310	Vancouvervt1101	SCM-1005342	Pullover	DF0407	35_Sabbia	XXS-XXXL	-1
HBCCONSESSION	Hbc Concession - Vancouver	20250311	Vancouvervt1101	SCM-1005341	Mix & Match Blazer	T71152018	257-Sea	44 - 160	-1
HBCCONSESSION	Hbc Concession - Vancouver	20250311	Vancouvervt1101	SCM-1005341	Mix & Match Trouser	110293	257-Sea	44 - 160	-1
HBCCONSESSION	Hbc Concession - Vancouver	20250310	Vancouvervt1101	SCM-1005340	Pullover	112074	184-Practical beige	XXS - 4XL	-1
HBCCONSESSION	Hbc Concession - Yorkdale	20250310	Yorkdale1554	SCM-1005339	Business shirt	111022	050-Black	35 - 46	-1
HBCCONSESSION	Hbc Concession - Yorkdale	20250310	Yorkdale1554	SCM-1005339	Business shirt	111022	090-Pure white	35 - 46	-1
HBCCONSESSION	Hbc Concession	20250213-SHERWAY	HBCCONSIGNMENT	SCM-1005338	Business shirt	111022	090-Pure white	35 - 46	-1
HBCCONSESSION	Hbc Concession	20250226-PICKERING	HBCCONSIGNMENT	SCM-1005336	Mix & Match Blazer	T72167001	01R-Dawn misty	44 - 160	-1
HBCCONSESSION	Hbc Concession	20250226-WOODBINE CTR	HBCCONSIGNMENT	SCM-1005335	Mix & Match Blazer	T72167001	01R-Dawn misty	44 - 160	-1
HBCCONSESSION	Hbc Concession - Vancouver	20250309	Vancouvervt1101	SCM-1005334	Mix & Match Blazer	T70699012Z	050-Black	44 - 160	-1
HBCCONSESSION	Hbc Concession - Vancouver	20250309	Vancouvervt1101	SCM-1005334	Mix & Match Trouser	109558	050-Black	44 - 160	-1
HBCCONSESSION	Hbc Concession - Vancouver	20250307	Vancouvervt1101	SCM-1005333	Mix & Match Blazer	109556	050-Black	44 - 160	-1
HBCCONSESSION	Hbc Concession - Vancouver	20250304	Vancouvervt1101	SCM-1005332	Business shirt	111022	090-Pure white	35 - 46	-2

2: Amount variable missing from Tx_Detail Table

Customer	Ship To	CustomerPO	Store	Tx Nbr	ProductType	Product	Color	Size	QtyTotal
HBCCONSESSION	Hbc Concession - Montreal	20250125	Montrealq1601	SCM-1005259	Mix & Match Blazer	T71152020	1U4-Burlywood	44 - 160	-1
HBCCONSESSION	Hbc Concession - Vancouver	20250310	Vancouvervt1101	SCM-1005342	Pullover	DF0407	35_Sabbia	XXS-XXXL	-1
HBCCONSESSION	Hbc Concession - Vancouver	20250311	Vancouvervt1101	SCM-1005341	Mix & Match Blazer	T71152018	257-Sea	44 - 160	-1
HBCCONSESSION	Hbc Concession - Vancouver	20250311	Vancouvervt1101	SCM-1005341	Mix & Match Trouser	110293	257-Sea	44 - 160	-1
HBCCONSESSION	Hbc Concession - Vancouver	20250310	Vancouvervt1101	SCM-1005340	Pullover	112074	184-Practical beige	XXS - 4XL	-1
HBCCONSESSION	Hbc Concession - Vancouver	20250310	Vancouvervt1101	SCM-1005340	Pullover	111022	050-Black	35 - 46	-1
HBCCONSESSION	Hbc Concession - Yorkdale	20250310	Yorkdale1554	SCM-1005339	Business shirt	111022	090-Pure white	35 - 46	-1
HBCCONSESSION	Hbc Concession - Yorkdale	20250310	Yorkdale1554	SCM-1005339	Business shirt	111022	090-Pure white	35 - 46	-1
HBCCONSESSION	Hbc Concession	20250213-SHERWAY	HBCCONSIGNMENT	SCM-1005338	Business shirt	111022	090-Pure white	35 - 46	-1
HBCCONSESSION	Hbc Concession	20250226-PICKERING	HBCCONSIGNMENT	SCM-1005336	Mix & Match Blazer	T72167001	01R-Dawn misty	44 - 160	-1
HBCCONSESSION	Hbc Concession	20250226-WOODBINE CTR	HBCCONSIGNMENT	SCM-1005335	Mix & Match Blazer	T72167001	01R-Dawn misty	44 - 160	-1
HBCCONSESSION	Hbc Concession - Vancouver	20250309	Vancouvervt1101	SCM-1005334	Mix & Match Blazer	T70699012Z	050-Black	44 - 160	-1
HBCCONSESSION	Hbc Concession - Vancouver	20250309	Vancouvervt1101	SCM-1005334	Mix & Match Trouser	109558	050-Black	44 - 160	-1
HBCCONSESSION	Hbc Concession - Vancouver	20250307	Vancouvervt1101	SCM-1005333	Mix & Match Blazer	109556	050-Black	44 - 160	-1
HBCCONSESSION	Hbc Concession - Vancouver	20250304	Vancouvervt1101	SCM-1005332	Business shirt	111022	090-Pure white	35 - 46	-2

Next steps:

- Merging Tx_Detail table with Overview Table which contains amounts of each transaction.
- Changing values in Store column from their name+codes to just names for better visibility.
- Ensuring all columns and their data types are finalised before dashboarding.



Post Data Cleaning for HBC Sales Return Data

Final Dataset after removing unnecessary columns and updating store data

Tx Nbr	Ref Invoice	Ship To	CustomerPO	Store	Province	Division	ProductType	Product	Color	Size	QtyTotal	Shipped Date	Amount	
SCM-1005259		Hbc Concession - Montreal		20250125	Montreal	Quebec	Tiger	Mix & Match Blazer	T71152020	1U4-Burlywood	44-160	-1	25-01-2025	-358.96
SCM-1005342		Hbc Concession - Vancouver		20250310	Vancouver	BC	Daniele F	Pullover	DF0407	35_Sabbia	XXS - 3XL	-1	10-03-2025	-269
SCM-1005341		Hbc Concession - Vancouver		20250311	Vancouver	BC	Tiger	Mix & Match Blazer	T71152018	257-Sea	44-160	-1	11-03-2025	-808.2
SCM-1005341		Hbc Concession - Vancouver		20250311	Vancouver	BC	Tiger	Mix & Match Trouser	110293	257-Sea	44-160	-1	11-03-2025	-808.2
SCM-1005340		Hbc Concession - Vancouver		20250310	Vancouver	BC	Tiger	Pullover	112074	184-Practical beige	XXS - 4XL	-1	10-03-2025	-319
SCM-1005339		Hbc Concession - Yorkdale		20250310	Yorkdale	Ontario	Tiger	Business shirt	111022	050-Black	35 - 46	-1	10-03-2025	-318
SCM-1005339		Hbc Concession - Yorkdale		20250310	Yorkdale	Ontario	Tiger	Business shirt	111022	090-Pure white	35 - 46	-1	10-03-2025	-318
SCM-1005338		Hbc Concession	20250213-SHERWAY	Yorkdale	Ontario	Tiger	Business shirt	111022	090-Pure white	35 - 46	-1	13-02-2025	-159	
SCM-1005336		Hbc Concession	20250226-PICKERING	Queen	Ontario	Tiger	Mix & Match Blazer	T72167001	01R-Dawn misty	44-160	-1	26-02-2025	-313.96	
SCM-1005335		Hbc Concession	20250226-WOODBINE CTR	Yorkdale	Ontario	Tiger	Mix & Match Blazer	T72167001	01R-Dawn misty	44-160	-1	26-02-2025	-313.96	
SCM-1005334		Hbc Concession - Vancouver		20250309	Vancouver	BC	Tiger	Mix & Match Blazer	T70699012Z	050-Black	44-160	-1	09-03-2025	-718.2
SCM-1005334		Hbc Concession - Vancouver		20250309	Vancouver	BC	Tiger	Mix & Match Trouser	109558	050-Black	44-160	-1	09-03-2025	-718.2
SCM-1005333		Hbc Concession - Vancouver		20250307	Vancouver	BC	Tiger	Mix & Match Blazer	109556	050-Black	44-160	-1	07-03-2025	-549
SCM-1005332		Hbc Concession - Vancouver		20250304	Vancouver	BC	Tiger	Business shirt	111022	090-Pure white	35 - 46	-2	04-03-2025	-318
SCM-1005331		Hbc Concession - Chinook		20250308	Chinook	Alberta	Tiger	Business shirt	112136	41V-Thyme	35 - 46	-1	08-03-2025	-269
SCM-1005330		Hbc Concession - Chinook		20250302	Chinook	Alberta	Tiger	Business shirt	111022	090-Pure white	35 - 46	-1	02-03-2025	-159
SCM-1005329		Hbc Concession - Montreal		20250306	Montreal	Quebec	Tiger	Mix & Match Blazer	T70699012Z	050-Black	44-160	-1	06-03-2025	-1596
SCM-1005329		Hbc Concession - Montreal		20250306	Montreal	Quebec	Tiger	Mix & Match Blazer	T70699012Z	050-Black	44-160	-1	06-03-2025	-1596
SCM-1005329		Hbc Concession - Montreal		20250306	Montreal	Quebec	Tiger	Mix & Match Trouser	T70699013Z	050-Black	44-160	-2	06-03-2025	-1596
SCM-1005328		Hbc Concession - Queen St.		20250304	Queen	Ontario	Tiger	Business shirt	111022	090-Pure white	35 - 46	-1	04-03-2025	-159
SCM-1005327		Hbc Concession - Vancouver		20250218	Vancouver	BC	Tiger	Tie	T72682001	1AC-Acorn Brown	ONE [K]	-1	18-02-2025	-134.1
SCM-1005326		Hbc Concession - Vancouver		20250216	Vancouver	BC	Tiger	Mix & Match Blazer	T71152020	1U4-Burlywood	44-160	-1	16-02-2025	-599
SCM-1005325		Hbc Concession - Montreal		20250226	Montreal	Quebec	Tiger	Vest	T70699015Z	050-Black	44-160	-1	26-02-2025	-309
SCM-1005324		Hbc Concession - Queen St.		20250301	Queen	Ontario	Tiger	Mix & Match Blazer	T70699012Z	09C-Dark Ink	44-160	-1	01-03-2025	-858
SCM-1005324		Hbc Concession - Queen St.		20250301	Queen	Ontario	Tiger	Mix & Match Trouser	T70699013Z	09C-Dark Ink	44-160	-1	01-03-2025	-858
SCM-1005323		Hbc Concession - Queen St		20250301	Queen	Ontario	Daniele F	Pullover	DF0005	23_AVIO	XXS - 3XL	-1	01-03-2025	-229

Note: Used Excel Filters for detailed cleaning and Python for merging the 2 datasets

Data Dictionary for HBC Sales Returns Data

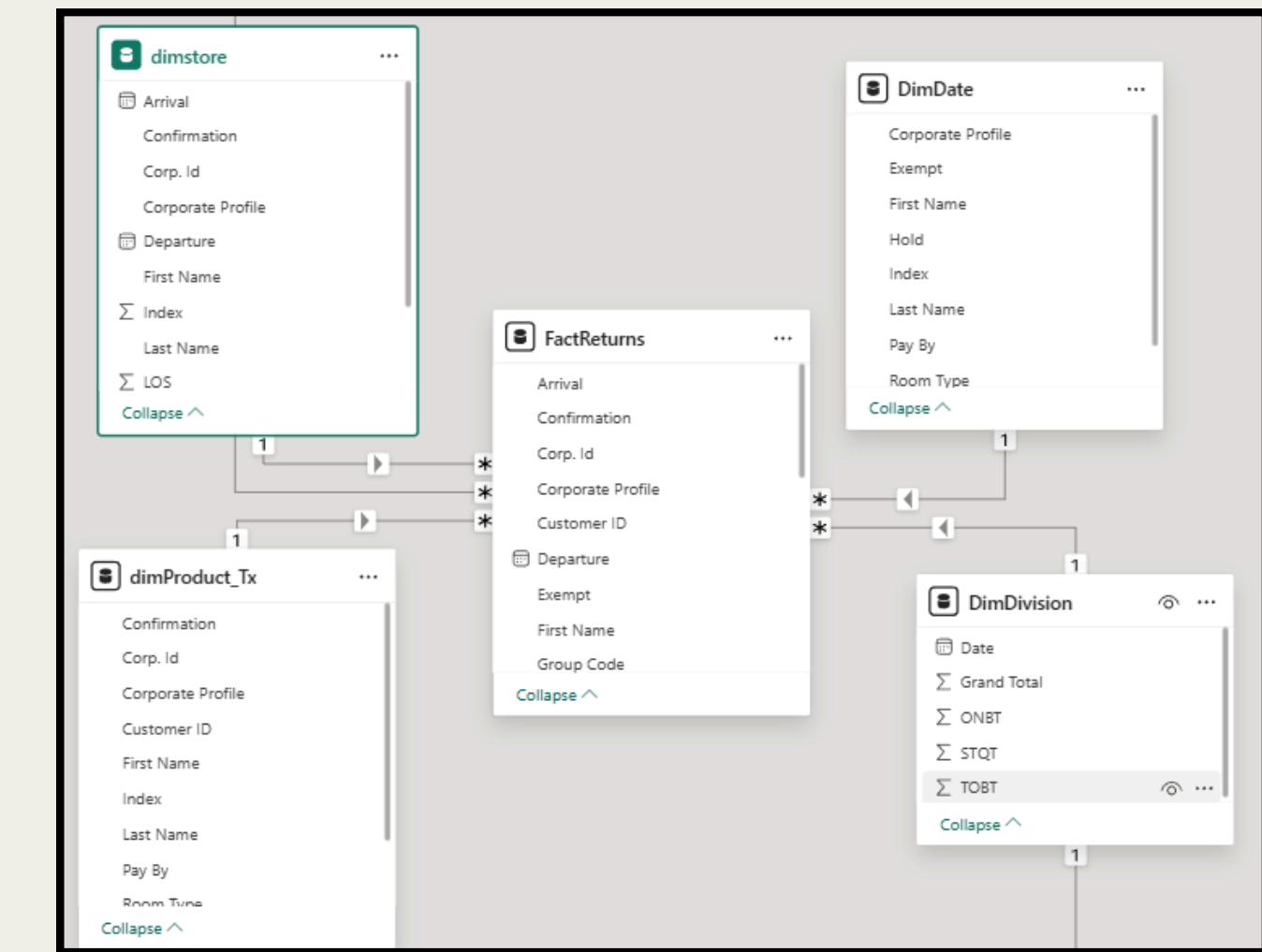
Column Name	Description	Example	Data Type
Tx Nbr - PK	Unique transaction number prefixed with 'SCM-'	SCM-1005259	string
Ref Invoice	Reference invoice number (may be null/blank)	INV-45678 / (blank)	string / null
Ship To	Name of the destination location for the shipment	Hbc Concession - Montreal	string
CustomerPO	Customer's purchase order reference	20250310 / 20250213-XYZ	string
Store	Store name or location code	Vancouver / Queen	string
Province	Province of the store (2-letter or full name)	BC / Ontario	string
Division	Business line within Slavin (e.g., brand or product line)	Tiger / Daniele F	string
ProductType	Product category	Pullover / Business shirt	string
Product	Style number or internal product code	T71152020 / DF0407	string
Color	Product color code or name	050-Black / 1U4-Burlywood	string
Size	Product size or range	44-160 / ONE [K]	string
QtyTotal	Quantity of items shipped (negative if returned)	-1 / -2	integer
Shipped Date	Date of shipment	10-03-2025	datetime
Amount	Monetary value of the transaction (can be negative for returns)	-318.00 / -808.20	float



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Dashboard Modelling and DAX Calculations

The dashboard follows a **star schema** with a central **FactReturns table** capturing return transactions, linked to **dimension tables like DimProduct, DimStore, DimDate, and DimDivision**. This structure enables fast, flexible slicing of return data by product, time, location, and brand for audit insights.



DAX Calculations

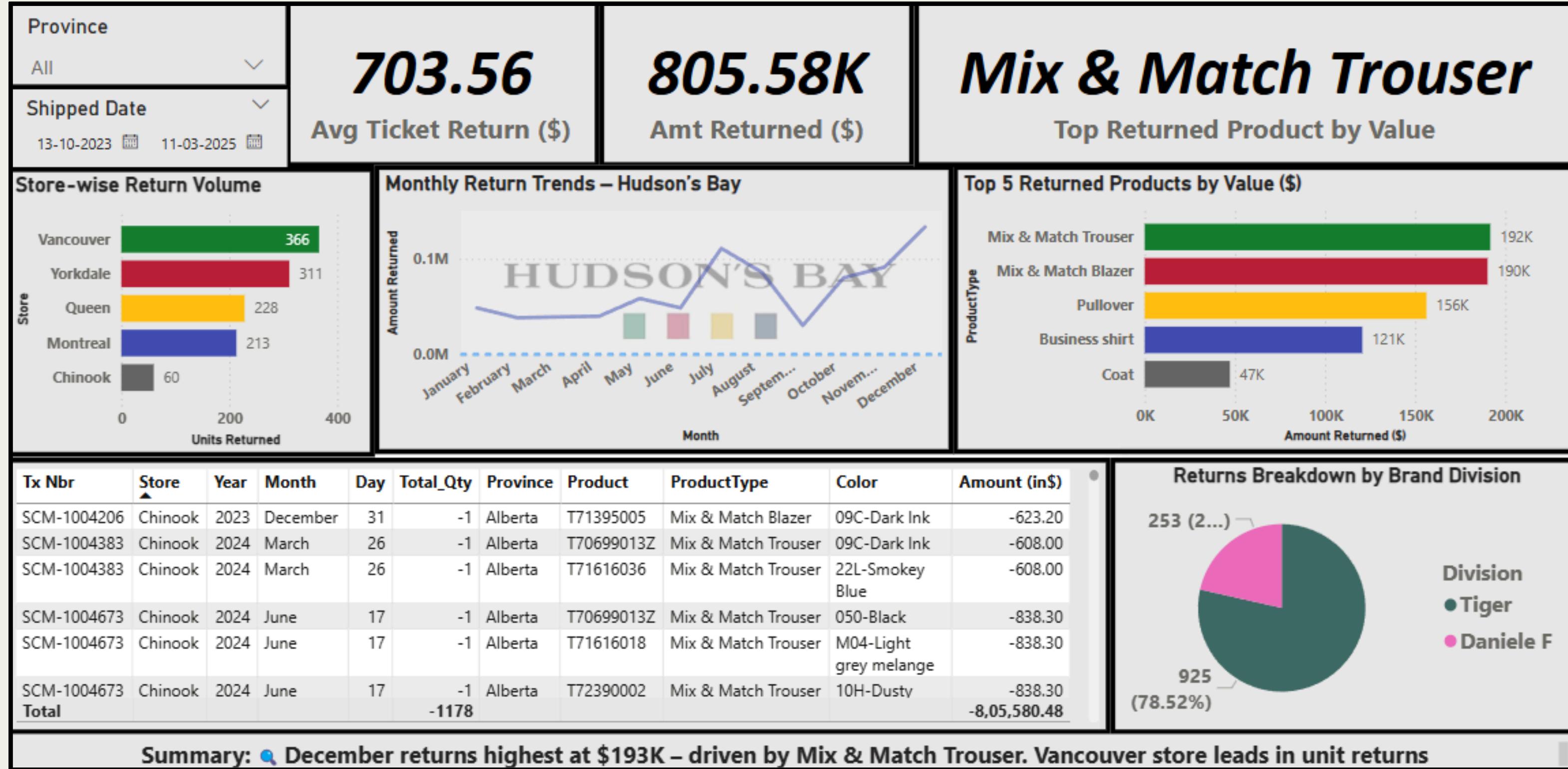
```
Top 1 Returned ProductType = Top Returned ProductType =
VAR SummaryTable =
    SUMMARIZE(
        'YourTableName',
        'YourTableName'[ProductType],
        "TotalAmount", SUM('YourTableName'[Amount])
    )
VAR TopProduct =
    TOPN(1, SummaryTable, [TotalAmount], DESC)
RETURN
    SELECTCOLUMNS(TopProduct, "Product", 'YourTableName'[ProductType])
```

Top 1 Returned ProductType

```
1 Top5ProductTypes =
2 TOPN(
3     5,
4     SUMMARIZE(
5         'YourTableName',
6         'YourTableName'[ProductType],
7         "TotalReturn", SUM('YourTableName'[Amount])
8     ),
9     [TotalReturn], DESC
0 )
```

Top 5 Returned ProductType

Sales Return Audit Overview



Insights

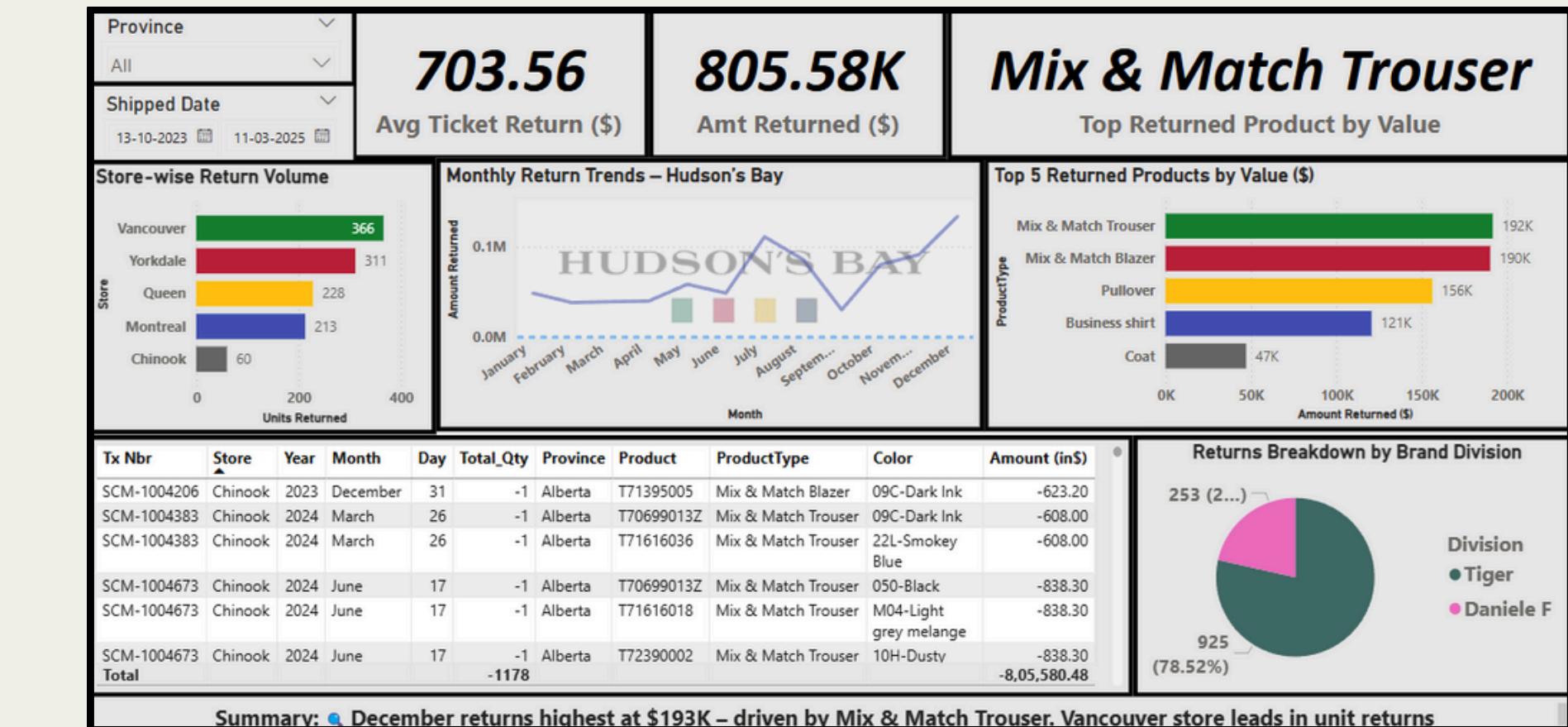
💡 **Top Returned Product:** Mix & Match Trouser leads in return quantity and value — possible fit or quality issues.

💡 **High Return Stores:** Vancouver store (366) and Yorkdale store (311) show the highest return volumes.

💰 **High-Value Returns:** Blazers and trousers (premium SKUs) dominate return value — impacting margins.

📅 **Q4 Return Spike:** Returns peak in Oct–Nov, possibly due to fall collection or flexible promos.

🌐 **Regional Return Value:** Ontario & BC contribute ~70–80% of total return dollars.



Recommendations

🔍 **Investigate high returns for Mix & Match Trouser & Blazer — likely sizing or quality issues.**

💡 **Audit return-heavy stores (Vancouver, Yorkdale) to explore fit consultation gaps, display issues, or post-sale experience flaws.**

📅 **Review return policies during Q4 promos to reduce misuse.**

🛒 **Improve size guides and visuals for high-ticket items.**



PROJECT 3



Situation

- Slavin Raphael lacked **centralized visibility** over export performance, duty costs, and invoice consistency across brands.
- Data anomalies like **duplicate invoices and high per-unit duty costs indicated** operational inefficiencies and **potential audit risk**.



Objectives

- **Consolidate** brand-level exports into a **unified table** for complete auditability.
- **Detect invoice duplication**, analyze monthly duty trends, and **evaluate duty efficiency per brand**.
- Provide recommendations to **optimize compliance, cost recovery, and export documentation accuracy**.



Tools Used

- **Microsoft SQL Server Management Studio (SSMS)** for database merging, cleaning, and analysis.
- **MS Excel** for data visualization (e.g., monthly duty bar charts, brand comparisons).



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Objective 1: Merging all brands data

```
+ dbo.ghbass_k32  
+ dbo.suicoke_k32  
+ dbo.tiaer_k32
```

Data was divided in 3 different tables

```
CREATE TABLE duty_drawback_k32 (  
    export_date DATE,  
    brand NVARCHAR(100),  
    export_invoice_number NVARCHAR(100),  
    export_bill_of_lading NVARCHAR(100),  
    us_entry_document NVARCHAR(100),  
    description_exported_goods NVARCHAR(255),  
    description_imported_goods NVARCHAR(255),  
    import_invoice_number NVARCHAR(100),  
    transaction_number NVARCHAR(100),  
    b3_line_number NVARCHAR(100),  
    release_date DATE,  
    quantity_exported INT,  
    import_unit_price DECIMAL(12,2),  
    vfcc DECIMAL(12,2),  
    exchange_rate DECIMAL(8,4),  
    vfd DECIMAL(12,2),  
    rate_of_duty DECIMAL(5,2),  
    customs_duty DECIMAL(12,2)  
);
```

```
INSERT INTO duty_drawback_k32  
SELECT * FROM ghbass_k32;  
  
INSERT INTO duty_drawback_k32  
SELECT * FROM suicoke_k32;  
  
INSERT INTO duty_drawback_k32  
SELECT * FROM tiger_k32;
```

<- Records of other tables imputed

Combined Table is built for further analysis

SELECT *
FROM duty_drawback_k32

	EXPORT_DATE	BRAND	EXPORT_INVOICE_NUMBER	Export_Bill_of_Lading	US_entry_document	DESCRIPTION_OF_EXPORTED_GOODS	DESCRIPTION_OF_IMPORTED_GOODS
1	2024-12-01	SUICOKE	SI-1058397	1Z528FY86832215321	1Z528FY86832215321	OG-056CAB-ECO-Sli	OG-056CAB-ECO-Sli
2	2024-12-23	SUICOKE	SI-1058316	1Z528FY86836789688	1Z528FY86836789688	OG-082-Sli	OG-082-Sli
3	2024-12-23	SUICOKE	SI-1058313	1Z528FY86828300693	1Z528FY86828300693	OG-056CAB-Sli	OG-056CAB-Sli
4	2024-12-23	SUICOKE	SI-1058308	1Z528FY86830868602	1Z528FY86830868602	OG-072-2EU-Sc-Sandals	OG-072-2EU-Sc-Sandals
5	2024-12-23	SUICOKE	SI-1058308	1Z528FY86830868602	1Z528FY86830868602	OG-056MAB-Sc-Sandals	OG-056MAB-Sc-Sandals
6	2024-12-23	SUICOKE	SI-1058302	1Z528FY86823892563	1Z528FY86823892563	OG-072CAB-Sli	OG-072CAB-Sli
7	2024-12-23	SUICOKE	SI-1058301	1Z528FY86835628531	1Z528FY86835628531	OG-056CAB-Sli	OG-056CAB-Sli
8	2024-12-21	SUICOKE	SI-1058292	1Z528FY86802748419	1Z528FY86802748419	OG-073SWPAB-MID-NONE	OG-073SWPAB-MID-NONE
9	2024-12-21	SUICOKE	SI-1058292	1Z528FY86802748419	1Z528FY86802748419	OG-073SWPAB-MID-NONE	OG-073SWPAB-MID-NONE
10	2024-12-23	SUICOKE	SI-1058283	1Z528FY86813065145	1Z528FY86813065145	OG-056CAB-ECO-Sli	OG-056CAB-ECO-Sli
11	2024-12-19	SUICOKE	SI-1058252	1Z528FY86832307508	1Z528FY86832307508	OG-073SWPAB-MID-NONE	OG-073SWPAB-MID-NONE
12	2024-12-19	SUICOKE	SI-1058252	1Z528FY86832307508	1Z528FY86832307508	OG-073SWPAB-MID-NONE	OG-073SWPAB-MID-NONE
13	2024-12-20	SUICOKE	SI-1058247	1Z528FY86808378317	1Z528FY86808378317	OG-056CAB-ECO-Sli	OG-056CAB-ECO-Sli
14	2024-12-20	SUICOKE	SI-1058246	1Z528FY86832427450	1Z528FY86832427450	OG-072MAB-Sc-Sandals	OG-072MAB-Sc-Sandals
15	2024-12-18	SUICOKE	SI-1058226	1Z528FY86835306254	1Z528FY86835306254	OG-056CAB-Sli	OG-056CAB-Sli
16	2024-12-17	SUICOKE	SI-1058221	1Z528FY86816465690	1Z528FY86816465690	OG-056CAB-ECO-Sli	OG-056CAB-ECO-Sli
17	2024-12-17	SUICOKE	SI-1058163	1Z528FY86836297192	1Z528FY86836297192	OG-056CAB-ECO-Sli	OG-056CAB-ECO-Sli
18	2024-12-01	SUICOKE	SI-1058160	1Z528FY86827209071	1Z528FY86827209071	OG-056CAB-Sli	OG-056CAB-Sli
19	2024-12-17	SUICOKE	SI-1058159	1Z528FY86803011239	1Z528FY86803011239	OG-080M2AB-MID-Sc-Sandals	OG-080M2AB-MID-Sc-Sandals
20	2024-12-17	SUICOKE	SI-1058155	1Z528FY86811905188	1Z528FY86811905188	OG-081CAB-Sli	OG-081CAB-Sli
21	2024-12-17	SUICOKE	SI-1058154	1Z528FY86812000174	1Z528FY86812000174	OG-082CAB-Sc-Sandals	OG-082CAB-Sc-Sandals

New Combined Table created

Objective 2: In which month was the highest total customs duty paid?

```
SELECT
    FORMAT(export_date, 'yyyy-MM') AS export_month,
    SUM(customs_duty) AS monthly_duty
FROM (
    SELECT export_date, customs_duty FROM suicoke_k32
    UNION ALL
    SELECT export_date, customs_duty FROM tiger_k32
    UNION ALL
    SELECT export_date, customs_duty FROM ghbass_k32
) AS combined_data
GROUP BY FORMAT(export_date, 'yyyy-MM')
ORDER BY monthly_duty DESC;
```

	export_month	monthly_duty
1	2024-12	937.29854631424
2	2024-08	816.141745567322
3	2024-07	664.673848628998
4	2024-09	454.788942813873
5	2024-02	392.816286087036
6	2024-01	336.338053226471
7	2024-04	302.06701374054
8	2024-05	267.127953529358
9	2024-06	122.01944732666
10	2024-03	121.463477134705
11	2024-11	120.924007892609
12	2024-10	101.9026055336

Code and Output



Insights and Recommendations

- **December 2024** saw the highest customs duty paid, indicating a **year-end export surge** likely driven by seasonal demand or bulk shipments. Slavin's logistics teams should proactively budget for Q3 and Q4 duties and prepare operational capacity for peak activity.

Objective 3: What is the duty paid per unit exported for each brand?

```
SELECT
    brand,
    SUM(customs_duty) AS total_duty,
    SUM(quantity_exported) AS total_quantity,
    ROUND(SUM(customs_duty) * 1.0 /
    NULLIF(SUM(quantity_exported), 0), 2)
    AS duty_per_unit
FROM (
    SELECT 'SUICOKE' AS brand,
    customs_duty, quantity_exported FROM suicoke_k32
    UNION ALL
    SELECT 'TIGER' AS brand,
    customs_duty, quantity_exported FROM tiger_k32
    UNION ALL
    SELECT 'GHBASS' AS brand,
    customs_duty, quantity_exported FROM ghbass_k32
) AS all_data
GROUP BY brand
ORDER BY duty_per_unit DESC;
```

Results			
brand	total_duty	total_quantity	duty_per_unit
TIGER	617.589571475983	34	18.16
GHBASS	132.726128578186	11	12.07
SUICOKE	3887.24622774124	360	10.8

Code and Output



Insight:

- Among all brands, **TIGER** incurs the **highest customs duty per unit exported** (€18.16), significantly more than GHBASS (€12.07) and SUICOKE (€10.8), indicating a less efficient duty-to-export ratio.



Recommendation:

- Conduct a **duty structure review** for TIGER, exploring possibilities such as **reclassification**, **tariff optimization**, or **supplier cost renegotiation** to improve **overall cost efficiency and duty recovery potential**.

Objective 4: Are there any duplicate export invoice numbers that may lead to filing errors?

```
SELECT export_invoice_number,
       COUNT(*) AS occurrences
  FROM (
    SELECT export_invoice_number
      FROM suicode_k32
    UNION ALL
    SELECT export_invoice_number
      FROM tiger_k32
    UNION ALL
    SELECT export_invoice_number
      FROM ghbass_k32
  ) AS combined_data
 GROUP BY export_invoice_number
 HAVING COUNT(*) > 1
 ORDER BY occurrences DESC;
```

Results	
export_invoice_number	occurrences
SI-1054410	7
SI-1054358	5
SI-1055046	3
SI-1055592	2
SI-1055996	2
SI-1056136	2
SI-1056384	2
SI-1057573	2
SI-1057722	2

Code and Output



Insight:

- Export invoice **SI-1054410** appears 7 times, and many others show duplicates – indicating **possible data entry errors or undocumented split shipments**.



Recommendations:

- Audit duplicate invoices to confirm validity, enforce invoice uniqueness in future exports.
- Implement a system validation rule to flag duplicate invoice numbers before submission.
- Consider adding a shipment reference or line item tracker to distinguish valid splits.

PROJECT RECONCILIATION // DEC 24 - MAR 25

- Reconciled a major account during their **creditor protection filing** - a key business priority for Slavin Raphael.
- **Objective:** Ensure financial accuracy, minimize losses, and assess risk exposure from outstanding receivables.
- Used **Visual ERP** to extract invoice, credit, and payment data for the accounting period.
- Leveraged **Excel** to cross-verify Slavin's Sales Records with The Bay's Sales Records (852 statement).
- Identified **discrepancies and potential write-offs**.



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STEP 1: Retrieving Sales Records of Slavin and client

Id	partnercode	startdate	enddate	store	UpCode	PartnerItem	Item	stctrnum	Color	Size	DIMS	UnitBasisMeaCode	InventoryQty
459	202377222	20241201	20241201	TQ1554	7333399596704	93810505	T69415015	4590001	050-Black	ONE	REG	EA	0
472	202377222	20241214	20241214	CX1138	5713115335992	93559039	T68997005Z	4720001	050-Black	41	REG	EA	0
460	202377222	20241202	20241202	CX1138	5713115336012	93557304	T68997005Z	4600001	050-Black	43	REG	EA	0
464	202377222	20241206	20241206	CX1138	5713115336012	93557304	T68997005Z	4640001	050-Black	43	REG	EA	0
460	202377222	20241202	20241202	TQ1554	8058300009461	93833935	DF0010	4600001	33_MORO	S	REG	EA	0
475	202377222	20241217	20241217	CX1138	5713115336029	93559104	T68997005Z	4750001	050-Black	44	REG	EA	0
477	202377222	20241219	20241219	CX1138	5713115336036	93557305	T68997005Z	4770001	050-Black	45	REG	EA	0
460	202377222	20241202	20241202	TQ1554	80583000086998	93834041	DF9046	4600001	53_VINO	L	REG	EA	0
459	202377222	20241201	20241201	TQ1601	8100000071962	93570350	DF0002	4590001	09_NERO	XL	REG	EA	0
459	202377222	20241201	20241201	TQ1601	8100000072242	93570381	DF0002	4590001	24_NOTTE	M	REG	EA	0
459	202377222	20241201	20241201	TQ1601	8058300006149	93833948	DF0005	4590001	23_AVIO	XXL	REG	EA	0
459	202377222	20241201	20241201	TQ1601	8058300006682	93834000	DF0005	4590001	66_VINO	XXL	REG	EA	0
459	202377222	20241201	20241201	TQ1601	8100000099331	93570503	DF0113	4590001	13_BUIO	L	REG	EA	0
459	202377222	20241201	20241201	TQ1601	8058300085076	93834018	DF8020	4590001	70_IRONMIX	O/S	REG	EA	0
459	202377222	20241201	20241201	TQ1601	7333399497506	93769303	T68882039	4590001	28R-Dream Blue	L	REG	EA	0
459	202377222	20241201	20241201	TQ1601	5713115335961	93559103	T68997005Z	4590001	050-Black	38	REG	EA	0
459	202377222	20241201	20241201	TQ1601	5713115336012	93557304	T68997005Z	4590001	050-Black	43	REG	EA	0
459	202377222	20241201	20241201	TQ1601	5713115336159	93559113	T68997005Z	4590001	201-Pale blue	39	REG	EA	0
459	202377222	20241201	20241201	TQ1601	7333399560149	93810513	T69541013	4590001	087-Light Ivory	39	REG	EA	0
459	202377222	20241201	20241201	TQ1601	7333399560163	93810515	T69541013	4590001	087-Light Ivory	41	REG	EA	0
459	202377222	20241201	20241201	TQ1601	7333399657276	93810524	T71152018	4590001	1C6-Turkish Coffee	56	REG	EA	0
459	202377222	20241201	20241201	TQ1601	7333399659775	93810440	T71152019	4590001	1C6-Turkish Coffee	50	REG	EA	0
459	202377222	20241201	20241201	TQ1601	7333399496486	93681077	T72307001	4590001	2F2-Polar Blue	M	REG	EA	0
459	202377222	20241201	20241201	TQ1601	7333399491337	93769159	T72307003	4590001	05T-Grey Stone	M	REG	EA	0
450	202377222	20241201	20241201	TQ1601	7333399491334	93769160	T72307002	4590001	05T-Grey Stone	I	REG	EA	0

<-- 852 Statement by the client

- Every record has a string data type
- Store codes are present

A	B	C	D	E	F	G	H	I	J	K	L	M	N	O
Division	Selling Period	Whs	Customer	Store	DC	Ship To	CustomerPO	Tx Nbr	Detail State	Sales Type	Notes	Date Created	Invoice Date	Date Shipped
2	Tiger	2402	HBCRETURNSTOTHER	HBCCONCESSION	HBCCONSIGNMENT	Hbc Concession	20250103 SHERWAY	SCM-1005211	Completed	Booking		14-01-2025	03-01-2025	03-01-2025
3	Tiger	2409	HBCRETURNSTOTHER	HBCCONCESSION	HBCCONSIGNMENT	Hbc Concession	20250102 SCARBOROUGH	SCM-1005210	Completed	Booking		14-01-2025	02-01-2025	02-01-2025
4	Tiger	2410	HBCRETURNSTOTHER	HBCCONCESSION	HBCCONSIGNMENT	Hbc Concession	20250102 WATEROO	SCM-1005209	Completed	Booking		14-01-2025	02-01-2025	02-01-2025
5	Tiger	2402	HBCRETURNSTOTHER	HBCCONCESSION	HBCCONSIGNMENT	Hbc Concession	20250102 FAIRVIEW	SCM-1005208	Completed	Booking		14-01-2025	02-01-2025	02-01-2025
6	Tiger	2508	HBCRETURNSTOTHER	HBCCONCESSION	HBCCONSIGNMENT	Hbc Concession	20241231 ANJOU	SCM-1005207	Completed	Booking		14-01-2025	31-12-2024	31-12-2024
7	Daniele F	2407	HBCRETURNSTOTHER	HBCCONCESSION	HBCCONSIGNMENT	Hbc Concession	20250103 METROTOWN	SCM-1005206	Completed	Booking		14-01-2025	03-01-2025	03-01-2025
8	Daniele F	2307	HBCRETURNSTOTHER	HBCCONCESSION	HBCCONSIGNMENT	Hbc Concession	20241205 BRAMALEA	SCM-1005205	Completed	Booking		14-01-2025	05-12-2024	05-12-2024
9	Daniele F	2401	HBCRETURNSTOTHER	HBCCONCESSION	HBCCONSIGNMENT	Hbc Concession	20241204 METROTOWN	SCM-1005204	Completed	Booking		14-01-2025	04-12-2024	04-12-2024
10	Daniele F	2407	HBCRETURNSTOTHER	HBCCONCESSION	HBCCONSIGNMENT	Hbc Concession	20241229 METROTOWN	SCM-1005203	Completed	Booking		14-01-2025	29-12-2024	29-12-2024
11	Daniele F	2307	HBC	HBCCONCESSION	Vancouvervt1101	Hbc Concession - Vancouver	20241231	SCM-1005202	Completed	Booking		14-01-2025	31-12-2024	31-12-2024
12	Daniele F	2407	HBC	HBCCONCESSION	Vancouvervt1101	Hbc Concession - Vancouver	20241228	SCM-1005201	Completed	Booking		14-01-2025	28-12-2024	28-12-2024
13	Daniele F	2407	HBC	HBCCONCESSION	Vancouvervt1101	Hbc Concession - Vancouver	20241227	SCM-1005200	Completed	Booking		14-01-2025	27-12-2024	27-12-2024
14	Daniele F	2401	HBC	HBCCONCESSION	Vancouvervt1101	Hbc Concession - Vancouver	20241218	SCM-1005199	Completed	Booking		14-01-2025	18-12-2024	18-12-2024
15	Daniele F	2407	HBC	HBCCONCESSION	Vancouvervt1101	Hbc Concession - Vancouver	20241214	SCM-1005198	Completed	Booking		14-01-2025	14-12-2024	14-12-2024
16	Daniele F	2307	HBC	HBCCONCESSION	Vancouvervt1101	Hbc Concession - Vancouver	20241209	SCM-1005197	Completed	Booking		14-01-2025	09-12-2024	09-12-2024
17	Daniele F	2407	HBC	HBCCONCESSION	Vancouvervt1101	Hbc Concession - Vancouver	20241206	SCM-1005196	Completed	Booking		14-01-2025	06-12-2024	

STEP 2: Comparing Sales Records of Slavin and client

Period 12 - Jan 5th 2025 - Feb 1st 2025 - HBCCONCESSION						
As per 852						
Net Sales as per 852 - 5 Jan - Feb 1						
store	Total	Total SI - Jan 25	Total SCM - Jan 25	Net Sales	Difference	Store_Ref
CX1138	22697.44	22800.92	-1879.92	20921	1776.44	Chinook
TQ1554	9807.44	11089.64	-2280.2	8809.44	998.00	Yorkdale
TQ1601	15909.86	17215.72	-1305.86	15909.86	0.00	Montreal
TR1560	20210.28	22983.08	-4248.8	18734.28	1476.00	Eaton Centre
VT1101	27491.2	28086.68	-2971.16	25115.52	2375.68	Vancouver
Grand Total	96116.22	102176.04	-12685.94	89490.1	6626.12	
Statement Amt	\$89,621.06					
Net Sales - Period 12	\$89,490.10					
Final Difference	\$ 130.96					

Summary Pivot Table for Jan 2025

Note: The overall figures from the 852 differ with the HBC statement

Next: Revised Pivot Table created for better detail into the in-depth pinpointing the transactions needed to be edited



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STEP 3: Looking for Dates with Anomalies

J5 : X ✓ f_x =C5-I5

Visual

Sum of Selling Price / 1			Sum of Shipped		
store	startdate	Total	Store	CustomerPO	Total
CX1138	20250105	663.16	CX1138	20250105	663.16
	20250106	518.66		20250106	518.66
	20250108	615.2		20250108	615.2
	20250109	197.4		20250109	197.4
	20250110	0		20250110	0
	20250111	1693.36		20250111	1693.36
	20250112	175.2		20250112	175.2
	20250115	1549.02		20250115	1549.02

CX1138 Total		2410-CHINOOK			
TQ1554	22697.44		HBC-CHINOOK-01152025	0	
	20250105	110.54	HBC-CHK-20250116	0	
	20250107	-37.44	HBC-CHK-20250117	0	
	20250108	215.1	SPECIAL ORDER + BAGS	0	
	20250109	481.36		20921	
	20250110	412.2			
	20250112	2004.12	CX1138 Total		
	20250113	-153.3	TQ1554	20250105	110.54 \$ 0.00
	20250115	-307.3		20250107	-37.44 \$ -
	20250117	-338.7		20250108	215.1 \$ -
	20250118	675.36		20250109	481.36 \$ -
	20250119	430.5		20250110	412.2 \$ -
	20250120	1068		20250112	2004.12 \$ -
	20250122	166.96		20250113	-153.3 \$ -
	20250123	460.96		20250115	-307.3 \$ -
	20250125	482.88		20250117	-338.7 \$ -
	20250126	1705.28		20250118	675.36 \$ -
	20250129	1856		20250119	430.5 \$ -
	20250131	460.96		20250120	1068 \$ -
	20250201	113.96		20250122	166.96 \$ -

TQ1554 Total		20250123			
TQ1601	9807.44		20250125	482.88 \$ -	
	20250105	1696.1	20250126	1705.28 \$ -	
	20250106	838.26	20250129	858 \$ 998.00 Some entries are not recorded in visual	
	20250107	472.2			
	20250109	248.4	20250131	460.96 \$ -	
			20250201	113.96 \$ -	

Revised Pivot Table for Jan 25

- displaying grouped transactions by store and transaction dates

The transactions for 29/01/25 need to be looked into for the Yorkdale Store.

- Notable difference - some records are not recorded in Visual.

STEP 4: Locating Transactions to be Flagged and Final Reconciliation

HBC Discrepancies as for 5 Jan 2025 - 1 Feb 2025 - Period 12

Issues for Visual

Id	partnercode	startdate	enddate	store	UpcCode	PartnerItem	Item	stctrnum	Color	Size	Notes
517	202377222	20250129	20250129	TQ1554	7333399474774	93769260	T72390001	5170001	10H-Dusty Brown	52	Not recorded in Visual
517	202377222	20250129	20250129	TQ1554	7333399475191	93769265	T72390002	5170001	10H-Dusty Brown	52	Not recorded in Visual

Issues for 852

Customer	Ref Invoice	Preferred Vendor	Store	Ship To	Ship To Add.	CustomerPO	Ship	DC	Tx Nbr	OriginalSF Cur	Symbol	Qty	Price	Shipped	UtPkg
HBCCONSESSION			TR1560	Hbc Concession - Queen St.		20250129			SCM-1005267	CAD	\$			-669	Ea
HBCCONSESSION			TR1560	Hbc Concession - Queen St.		20250129			SCM-1005267	CAD	\$			-329	Ea

Note: Please look carefully into the pink and yellow highlighted transactions. They are same however they are marked for different stores. Tq 1554 AND Tr 1560.

As per the statement and the 852, the returns were made in Store 1554 and Whilst analyzing we misinterpreted the store return no.

Net Sales as Per 852	\$ 89,490.10
Net Sales as per Statement and Report	\$ 89,621.06
Difference in figures	\$ (130.96)
Net Sales in Visual	\$ 89,490.10

Difference of 130.96 is coming by from the following transaction from the statement report which is not recorded in 852 and therefore not in visual.

PARTITION_SEQ	VDATE	SKN	DEPT	CLASS	SUBCLASS	STORE	WH	TRAN_DATE	TRAN_CODE	ADJ_CODE	UPC	PERIOD	CHAIN	STYLE	SL_TRAN_C0	MFG_NO
18339	24-Jan-25	93564672	809	71	1	1560	-1	24-Jan-25	1		4.00936E+11	202412	4	999999	8901	1107

This sheet highlights a discrepancy of \$130.96 between the return transactions recorded in Visual vs. 852 vs. the statement report, due to a store code misinterpretation (TQ1554 vs. TR1560) and one unrecorded return missing in both 852 and Visual.

Thank you!



slavinraphael