

Operational Reporting & KPI Monitoring using Excel, Power Query,
and PivotTables

Supply Chain KPI & Reporting Dashboard

Project Overview

Supply Chain KPI & Operational Reporting Analysis

Overview

This project analyzes supply chain and operational performance through an interactive Excel dashboard focused on **profitability, supplier metrics, inventory trends**, and **KPI monitoring**.

Objectives

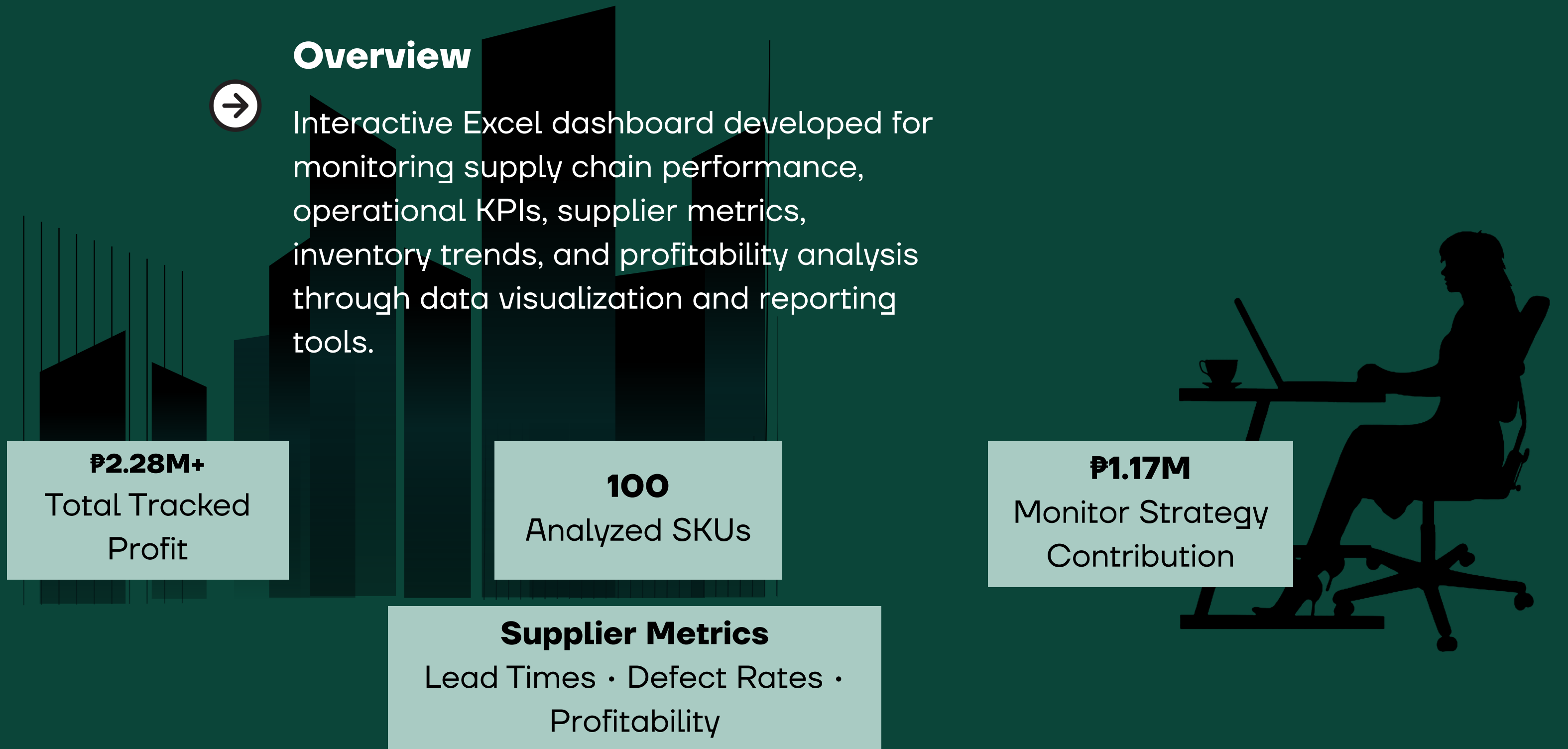
- Monitor supplier and SKU performance
- Track profitability and operational trends
- Analyze lead times and defect rates
- Support reporting and KPI monitoring

KPI Dashboard Overview

Overview



Interactive Excel dashboard developed for monitoring supply chain performance, operational KPIs, supplier metrics, inventory trends, and profitability analysis through data visualization and reporting tools.



₱2.28M+
Total Tracked Profit

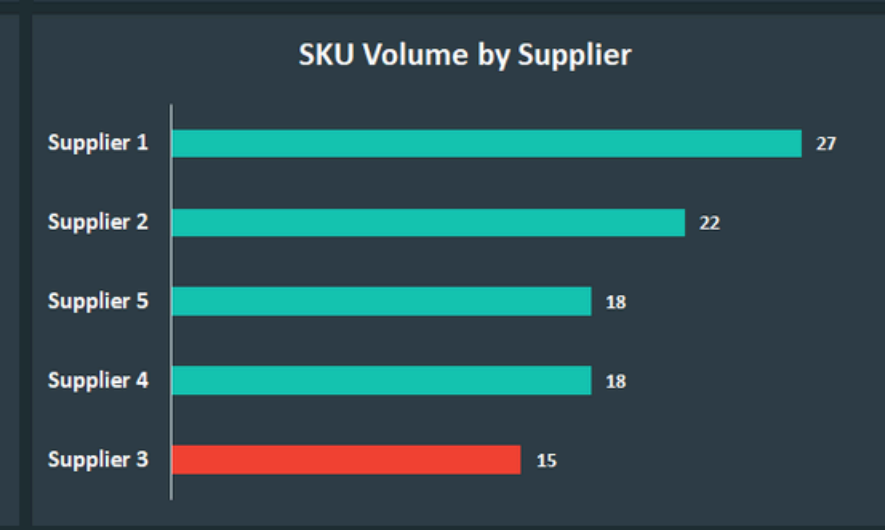
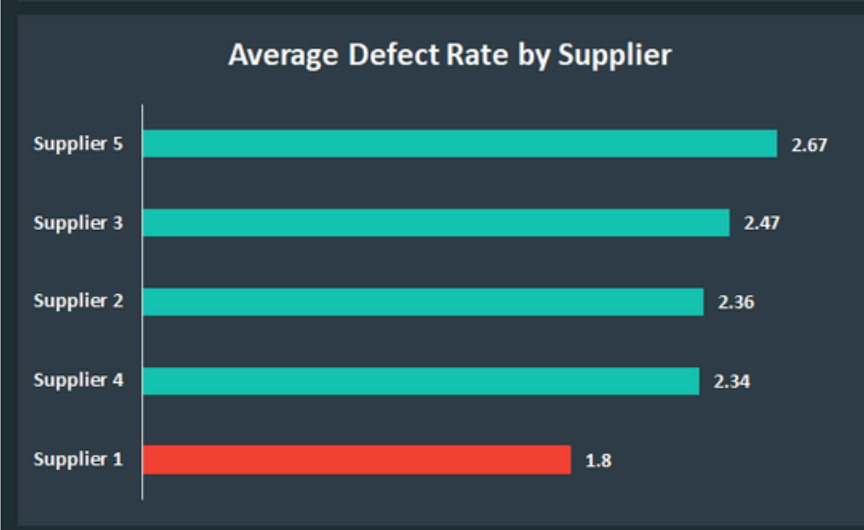
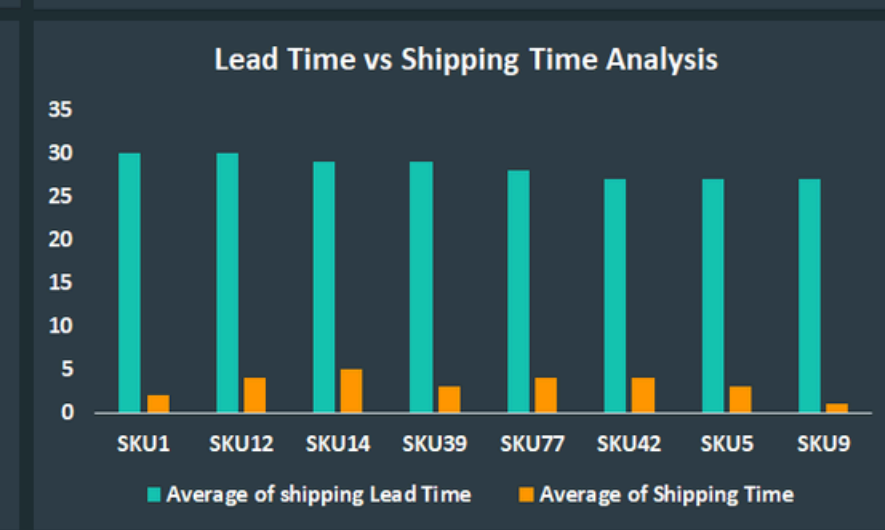
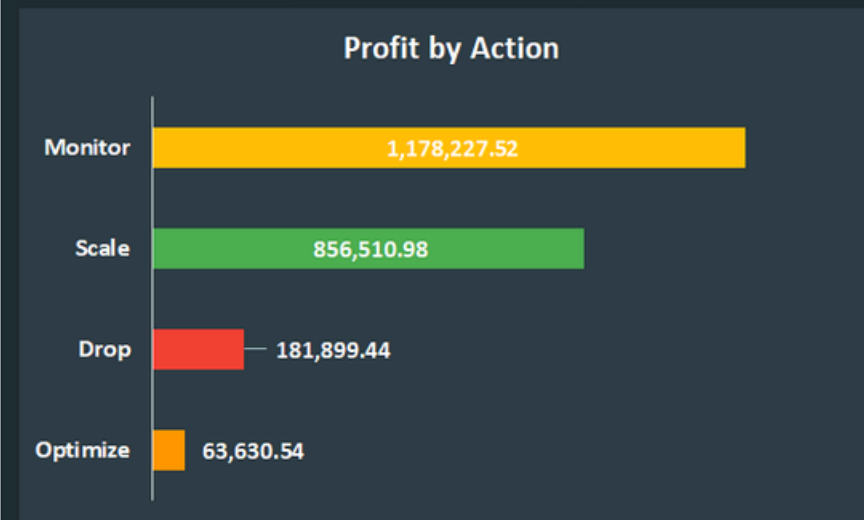
100
Analyzed SKUs

₱1.17M
Monitor Strategy Contribution

Supplier Metrics
Lead Times · Defect Rates · Profitability

SUPPLY CHAIN DASHBOARD

TOTAL PROFIT	SKU COUNT	AVG RISK SCORE	AVG PRIORITY SCORE
₱ 2.28M	100	92.188	₱ 2.39K



Action	Category	SKU	Profit	Risk Score		
Monitor	High Profit	SKU40	75,049.74	193.81		
		SKU55	55,943.06	195.60		
		SKU81	56,338.21	99.35		
		SKU84	55,024.31	290.61		
		SKU9	62,680.29	219.14		
		High Profit - High Risk Total	305,035.61	998.51		
		Scale	High Profit	SKU32	61,826.67	91.46
				SKU52	80,368.30	46.69
				SKU58	53,548.05	51.91
				SKU80	79,384.10	68.39
SKU95	52,283.92			49.65		
High Profit - Low Risk Total	327,411.04			308.10		
Monitor Total					632,446.65	1,306.61
Scale Total	High Profit			SKU0	55,936.78	9.06
				SKU11	86,977.93	1.10
				SKU14	55,726.46	5.94
		SKU47	87,069.35	12.94		
		SKU91	56,847.32	21.28		
		High Profit - Low Risk Total	342,557.84	50.32		
		Scale Total			342,557.84	50.32
		Drop	High Profit	SKU1	10,881.50	266.97
				SKU19	9,473.05	123.98
				SKU36	9,402.28	197.89
SKU57	11,105.81			100.45		
SKU75	9,807.13			111.65		
High Profit - High Risk Total	50,669.77			800.94		
Drop Total					76,704.18	1,137.07
Optimize	High Profit			SKU13	3,916.57	65.24
				SKU39	3,351.87	90.02
				SKU4	4,089.63	50.33
		SKU8	10,292.81	81.30		
		SKU86	4,383.53	49.24		
		High Profit - Low Risk Total	26,034.41	336.13		
		Optimize Total			41,781.30	99.63

Supply Chain Dashboard

Interactive Excel dashboard developed for operational KPI monitoring, supplier analysis, profitability tracking, and reporting insights.

Insights:

- Monitor action delivered the highest profit contribution (~₱1.17M), making it the strongest operational strategy.
- Scale action ranked second in profitability with approximately ₱856K, showing strong growth potential.
- High Profit – High Risk SKUs generated the largest returns, indicating that riskier products drove most revenue.
- Low Profit – Low Risk SKUs contributed the least profit, showing limited financial impact from conservative strategies.
- Shipping lead times were consistently higher than expected lead times, suggesting operational or logistics delays.
- Supplier 1 managed the highest SKU volume while also maintaining the lowest defect rate, making it the most reliable supplier.
- Supplier 5 recorded the highest defect rate, indicating potential quality control concerns.
- Cost vs Profit analysis shows a generally positive relationship, where higher-cost SKUs often produced higher profits.
- Drop and Optimize actions generated the weakest profit performance, highlighting opportunities for operational improvement.
- Overall dashboard performance remained strong, with total profit exceeding ₱2.28M across 100 analyzed SKUs.

Key Insights & Findings

Insights Summary

The dashboard analysis highlighted key profitability trends, supplier performance metrics, and operational patterns through KPI monitoring and supply chain reporting visualizations.

100 SKUs
Operational KPI tracking and profitability analysis

₱856K
Scale strategy showed strong growth potential

₱1.17M
Monitor generated the highest profit contribution

Operational Findings

- Lead times exceeded shipping times
- Supplier 1 had the lowest defect rate
- Higher-cost SKUs generally produced higher profits

Dashboard Development Process

☀ Data Preparation

- Cleaned and transformed datasets using Power Query
- Organized operational data for reporting consistency

☀ Dashboard Development

- Built KPI visualizations and PivotTable reports in Excel
- Developed charts for profitability, supplier metrics, and operational analysis

☀ Reporting & Analysis

- Structured dashboard layout for operational monitoring
- Created reporting visuals to support business insights and KPI tracking

Project Summary

This dashboard project strengthened my skills in **Excel reporting, Power Query transformation, KPI monitoring** and **operational data analysis**. It improved my ability to organize raw datasets into structured reporting visuals and generate business insights through dashboard development.

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