



Yvis Fu

Yvis Fu – A fun fact

I came from a Chinese background and my parents named me

Fu Yu
付宇

With Fu as my surname Fu and Yu, meaning Universe, as my first name.

While traveling through different countries, I observed that people perceive their names and understand their identities in various ways. Desiring to be unique, I decided to create an English first name for myself starting with the letter Y, to take with me on my long journey to the UK.

Taking inspiration from the elegant French name 'Yvette,' I had some fun combining 'Yv' with 'is' to make Yvis. And that's how Yvis was born—a name with a story as unique as its sound!

The Journey of Yvis: A Roadmap from 2012 to 2024

Professional Experience

2012 - 2016

09/2012 – 06/2016 **BEng** in Computer Science **BISTU**
06/2015 – 04/2016 Assistant Product Manager **Qunar**



2016 - 2019

07/2016 – 08/2019 Product Strategy Manager
Jianpu Technology

JIANPU.AI



2019 - 2020

19/2020 **MSc** Business Analytics
University of Edinburgh



2020 - 2022

12/2020 – 07/2022 Lead Business Data Analyst
China Telecom Europe



2022 - 2024

08/2022 - Now Analyst Consultant
Alvarez and Marsal



Skillset

- 1 SQL
Data Structure
Data Engineering
- 2 User Research
A/B testing
Product Strategy
- 3 Python
Predictive modelling
Data Analytics
- 4 B2B Marketing
Revenue forecast
Sales operation
- 5 Power BI
Value Creation / Cost-out



Case Study

Project Background

Manufacturer client currently under the end-to-end systems transformation assessment

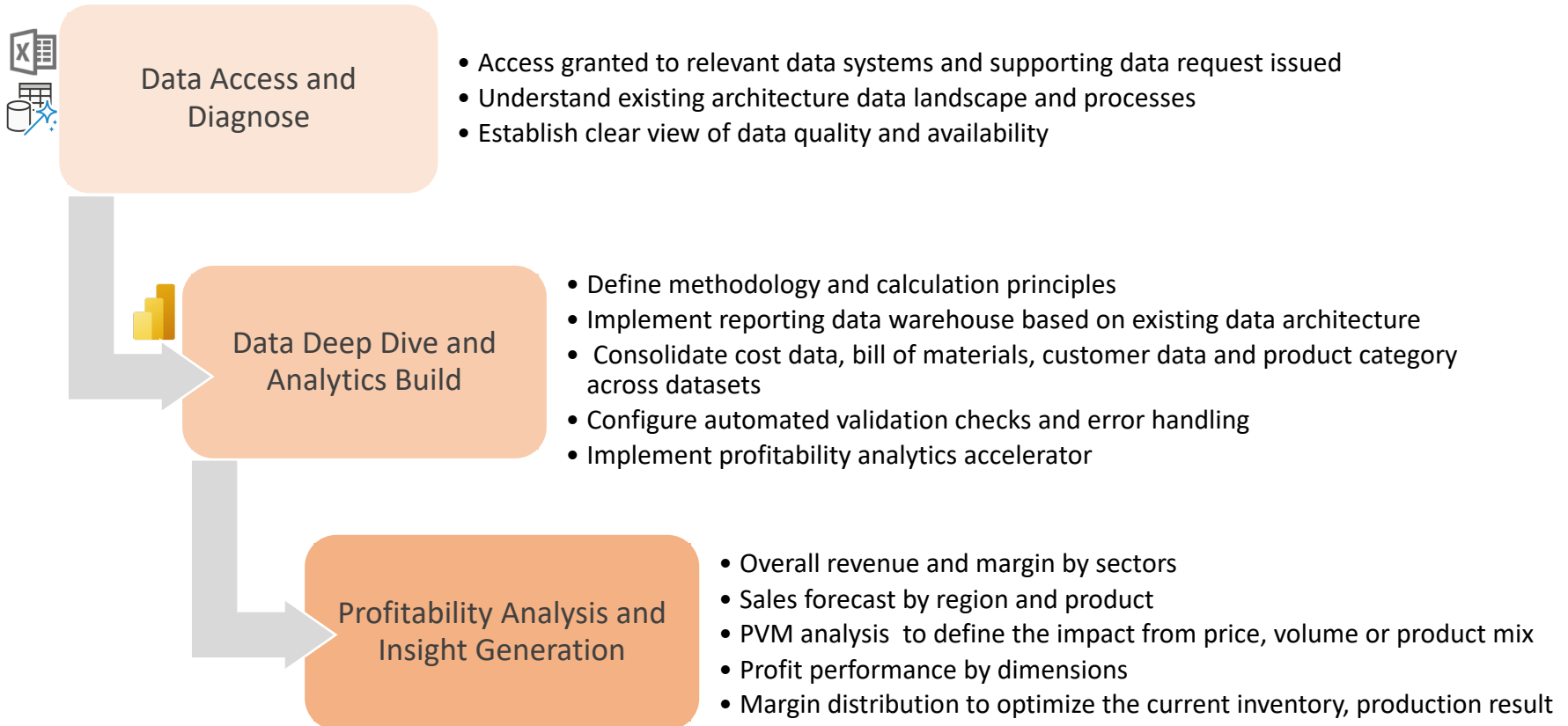
A single source of truth is required for C-suite executives to understand margin erosion in the current high-inflation environment. Standard costing practices, though maintained across divisions, often fail to allocate costs at the BoM or SKU level, hindering timely, accurate, and data-driven decisions. By refining cost allocation and data processes, the organization will achieve more reliable reporting and better strategic decisions.

Key Objectives:

- **Revenue Pockets:** Pinpoint key revenue sources and sales forecast, including major client and product
- **Margins:** Examine margin gains and losses to understand profitability drivers
- **Cost Allocation:** Improve cost allocation methods at the BoM and SKU levels for better precision
- **Data Collection and Reporting Systems :** Rationalize the current data collection process for efficiency and accuracy, strengthen the impact of reporting systems across ERP, CRM, and EPM systems

Enhancing Profitability and Visibility through Applied Technical Expertise

Leverage accelerators to deliver value



Product Profitability Analysis Model Leveraging Revenue-Cost

Enhanced visibility into product performance and actionable recommendations for decision-making

SKU Margin Model

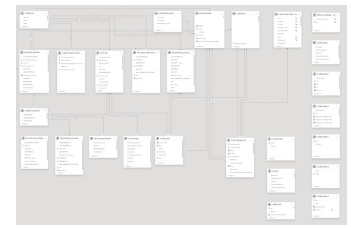
Revenue: sales detail, recorded on a daily basis



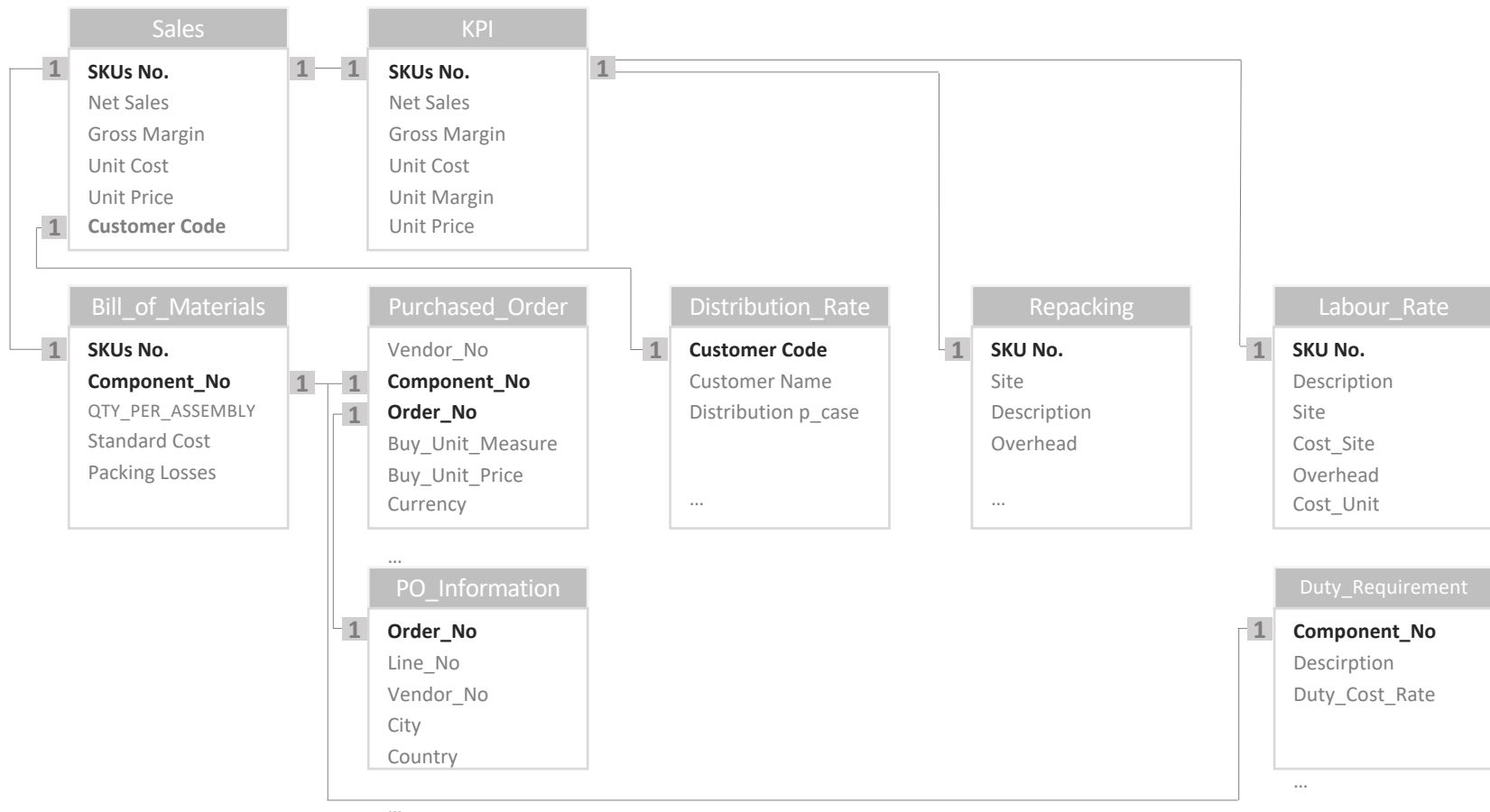
Cost: Standard Cost and Actual Cost, which are measured in an ingredient level

- **Product profitability analysis** targets margin at a BoM granularity level, allowing manufacturers to better understand their real-time product margins. By following a single source of truth, this analysis can quickly identify underperforming SKUs and examine specific dimensions, including the impact of price-volume mix on revenue.

Data Modelling



'no regret' data opportunities to extract early value from existing systems and lay the building blocks for the wider systems transformation



Sales Forecast - ARIMA Time Series Model

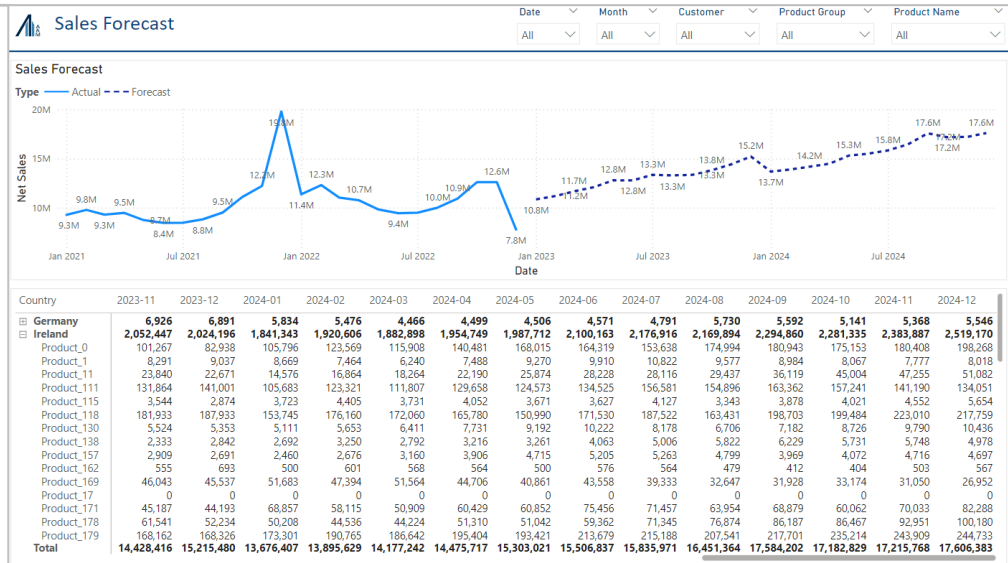
Accurate predictions about future sales leads to better planning and informed decision-making

- Time series models analyze historical data to forecast future values, providing essential sales guidance. Their strong ability to make accurate short to medium-term forecasts is crucial for sales planning. By combining autoregression, differencing (to stabilize the data), and moving averages, these models help predict future values by analyzing past data and adjusting for regular patterns and random fluctuations.

Limitations

Although insufficient or inconsistent data points can cause variance in the model's outcomes, incorporating a moving average can help mitigate significant biases and gaps in the forecasts

The company has experienced a rapid sale growth in Dec, 2021. The forecast balanced the high sales in Dec. due to the covid impact in 2022.



Please note that anonymous data has been used in this case study to maintain confidentiality

Optimizing Profitability through Advanced Analytics Methodologies and Strategies

Overview financial performance and drivers

Visibility & Profitability

Develop consolidated “One source of truth” and detailed view of Entity, BU, Product Group profitability performance with relevant and comparable dimensions



- ✓ Harmonised data across business unit, product group and category
- ✓ Aggregated and drillable Revenue, BU, Product Group and SKUs
- ✓ Product profitability
- ✓ Standard costing and variance reporting
- ✓ Dimensions e.g., brand contribution margin
- ✓ Revenue/ Cost KPIs

Price Volume Mix

Conduct PVM analysis to define the impact of product price, selling volume and the mix of price and volume to the revenue and margin



- ✓ Detailed bridge view of revenue and margin
- ✓ Full pilot methodology and analytical toolkit to evaluate impacts
- ✓ Analysis the effectiveness of new, churn (discontinued), other type of product
- ✓ On-going monitoring of product revenue and variances

Margin Distribution

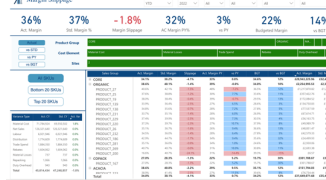
Establish consolidated margin cube from client, break down to a product level. 80:20 analysis helps track better with product profit in different margin group



- ✓ Distributed product margin with long tail
- ✓ Category product into different profit level group
- ✓ Effectively display the product with their margin performance

Margin Slippage

Define the drivers from cost category and how it impact margin. i.e., Material cost, labor cost, trade spend, rebates and repacking etc.



- ✓ Group view of detailed cost category
- ✓ Analysis of standard cost, Actual cost in a detailed level
- ✓ Variance analysis with PY, Budget, Standard and Actual cost
- ✓ Track ongoing with cost category for accurate result

Purchase Price Variance

Consolidated Purchase Price Variance specifically focused on the bill of material level for how we measuring the cost in an ingredient level



- ✓ Overview level on favourable and unfavourable SKUs
- ✓ Targeted areas bill of material to measure the ingredient cost change of making finished goods
- ✓ Baseline to quantify the procurement efficiency and functionality