About the Dashboard

This is a **mock-up of spend analysis dashboard** prepared at GEP for an indirect procurement category, with an emphasis on:

- **Spend trends** (YoY, rolling averages, volatility)
- **Category risk segmentation** (tail spend, fragmentation, volatility)
- **Vendor insights** (normalization, fragmentation)
- **Forecasting & predictability** metrics

I built this end-to-end using **Power BI**, integrating **DAX measures**, **date modelling**, and **custom buckets** to illustrate actionable insights.

Key Features in This Dashboard

- **Custom Date Table** with fiscal year/quarter alignment (Apr–Mar)
- **Volatility and Tail Spend Identification** using dynamic contribution thresholds
- **Category Risk Matrix** (scatter plot of Growth % vs Spend)
- **Custom conditional formatting**, **tooltips**, **dynamic DAX** calculations
- **Rolling 3-month spend** and **YoY % growth metrics**
- **Vendor normalization and aggregation**

If This Were in a Real Organizational Setup:

If this dashboard were implemented in a real IBP environment like AkzoNobel:

1. **Data Sources**: SAP BW, Ariba, Databricks, Sales & Inventory tools would feed into a centralized data lake.
2. **Data Transformation**: Scheduled data prep using Power Query or Python/SQL pipelines, normalized against master data.
3. **Modular Reports**: BU-level views, IBP-level executive summaries, category-level deep dives.
4. **Forecasting Extension**: Integration with statistical forecasting (Python, R) or Azure ML models via Power BI.
5. **Embedded Use**: Reports embedded into SharePoint or Teams, used in monthly meetings for gap/risk mitigation.

What More Can Be Done with This Dataset

If extended, this dataset could support:

- **Forecast modelling** (e.g., Prophet, ARIMA) for spend prediction

- **Vendor rationalization frameworks**
- **Inventory risk heatmaps**
- **Integration with sales headcount data** for cost-to-sales analysis
- **Scenario planning** for price inflation or vendor exits