# Problem Statement

Create a dashboard with meaningful charts and visualizations using any of the below sample datasets. The dashboard should convey meaningful insights from the data.

# Available samples

Eight samples are available for you to use. Each one represents a different industry.

1. Customer Profitability sample

This industry sample analyzes CFO's key metrics for the company's executives, products, and customers. You can investigate what factors impact the company's profitability.

1. Human Resources sample

This industry sample focuses on the hiring strategy for a company by analyzing new hires, active employees, and employees who have left. By exploring the data, you can find trends involuntary separations and biases in the hiring strategy.

1. IT Spend Analysis sample

In this industry sample, we analyze the planned vs. actual costs of the IT department of a company. This comparison helps us understand how well the company planned for the year and investigate areas with huge deviations from the plan. The company in this example goes through a yearly planning cycle, and then quarterly it produces a new Latest Estimate (LE) to help analyze changes in IT spend over the fiscal year.

1. Opportunity Analysis sample

This industry sample explores a software company's sales channel. Sales managers monitor their direct and partner sales channels by tracking opportunities and revenue by region, deal size, and channel.

1. Procurement Analysis sample

This industry sample analyzes CFO's key metrics for the company's executives, products, and customers. You can investigate what factors impact the company's profitability.

1. Retail Analysis sample

This industry sample analyzes retail sales data of items sold across multiple stores and districts. The metrics compare this year's performance to last year's in these areas: sales, units, gross margin, and variance, as well as new store analysis.

1. Sales and Marketing sample

This industry sample analyzes a manufacturing company, VanArsdel Ltd. It allows the Chief Marketing Officer to watch the industry and the market share for VanArsdel. By exploring the sample, you can find the company's market share, product volume, sales, and sentiment.

1. Supplier Quality sample

This industry sample focuses on one of the typical supply chain challenges — supplier quality analysis. Two primary metrics are at play in this analysis: total number of defects and the total downtime that these defects caused. This sample has two main objectives: understand who the best and worst suppliers are, concerning quality, and identify which plants do a better job finding and rejecting defects, to minimize downtime.