Data Analysis Workflow

1- Built a **Lakehouse** in Microsoft Fabric.
2-Import the Excel files in **Lakehouse** using **Dataflow Gen 2**.
3-Built a **Warehouse** in Microsoft Fabric.
4-Develop **SQL Queries** in **Warehouse** by joining the tables.
5-Create a **Semantic Model** in Microsoft Fabric from the Final Table.
6-Create **measures** and **relationship** in Semantic Model.
7-Importing Semantic Model in **Power Bi**.
8-Developing a **End-to-End Report** and Publishing in **Workspace**.
9-Creating a **DataPipeline** for Triggring Dataflow and Semantic Model for **schedule refresh**.

Department Operations

Email Request

Dear **Data Analyst,**

Your **expertise is needed in organizing the data and developing the dashboard** will be key to helping us manage our workforce, understand financial risks, and monitor project health more effectively.
We are looking to answer the following key question:
Which projects and departments are at risk of being over budget or underperforming? Note that **department budgets are set at 2-year intervals**. We want to know if a year can cover all expenses.

1. **Identify Departments and Projects in the Red:** Understand which departments or projects are over budget or underperforming, so we can take corrective action.

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2. Data Organization: Ensure that data from various sources (e.g., **employee information, salary data, department budgets, and project details**) is structured correctly and accessible for reporting.

3. Power BI Dashboard Development: Collaborate with us to create a comprehensive dashboard that provides visibility into employee performance, salary distribution, and departmental project management.