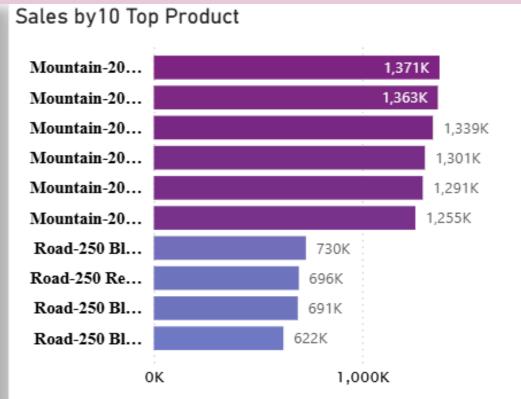
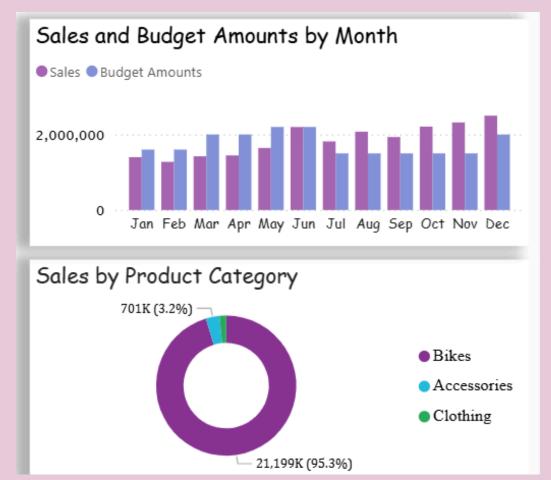
Hello everyone,

In this project, I completed a full data transformation and reporting project using SQL and Power BI—starting from raw business requests all the way to delivering an interactive dashboard with meaningful insights.









Project Title:

End-to-End Data Transformation & Reporting for Sales Dashboard



Objective:

Prepare clean, reliable data from a data warehouse and create a professional, interactive sales dashboard comparing actual vs budget sales.





Business Request:

The Sales Manager wanted:

- A dynamic dashboard instead of static reports
- Breakdown of sales by product, customer, time
- Ability to filter by salesperson
- Sales vs. 2021 budget comparison

What I Did:

SQL Data Cleaning & Preparation

```
ps.EnglishProductSubcategoryName AS [Sub Catego pc.EnglishProductCategoryName AS [Product Catego pc.EnglishProductCategoryName AS [Product Catego pc.EnglishProductName]
-- ,[SpanishProductName]
-- ,[FrenchProductName]
-- ,[StandardCost]
-- ,[FinishedGoodsFlag]
p.[Color] AS [Product Color],
-- ,[SafetyStockLevel]
-- ,[ReorderPoint]
-- ,[ListPrice]
p.[Size] AS [Product Size],
```

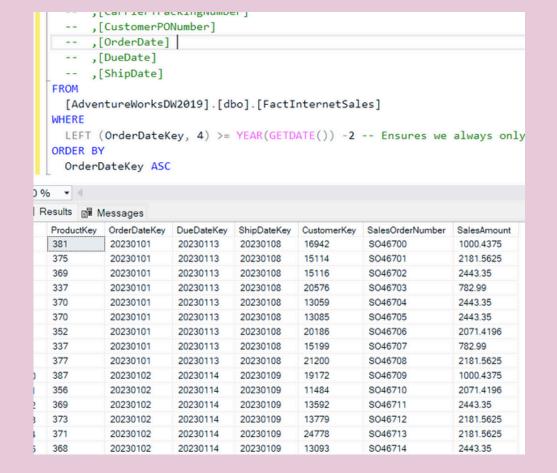
```
Extracted and cleaned data from AdventureWorksDW:
```

- FactInternetSales, DimDate, DimProduct, DimCustomer Transformed using T-SQL:
 - Removed unnecessary columns

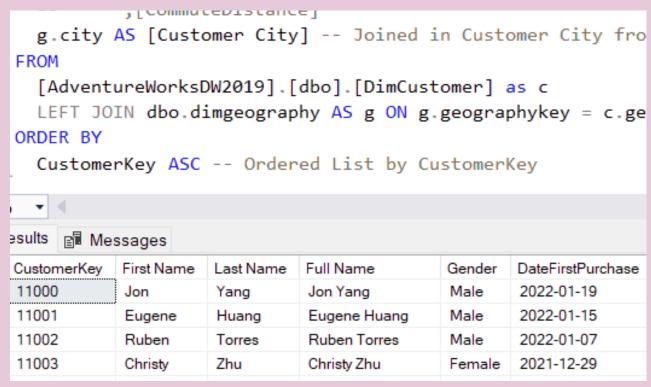
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- Created readable fields (e.g., FullName)
- O Joined product and customer metadata
- Filtered sales from the last two years
 Exported clean CSVs ready for BI tools

```
--|DayNumberOtMonth|,
 --[DayNumberOfYear],
 --[WeekNumberOfYear],
 [EnglishMonthName] AS Month,
 Left([EnglishMonthName], 3) AS MonthShort, -- Useful for from
 --[SpanishMonthName],
 --[FrenchMonthName],
 [MonthNumberOfYear] AS MonthNo,
 [CalendarQuarter] AS Quarter,
 [CalendarYear] AS Year --[CalendarSemester],
 --[FiscalQuarter],
 --[FiscalYear],
 --[FiscalSemester]
[AdventureWorksDW2019].[dbo].[DimDate]
WHERE
 CalendarYear >= 2019
                                                        Year
                                                        2019
                                                        2019
                 Wednesday
```







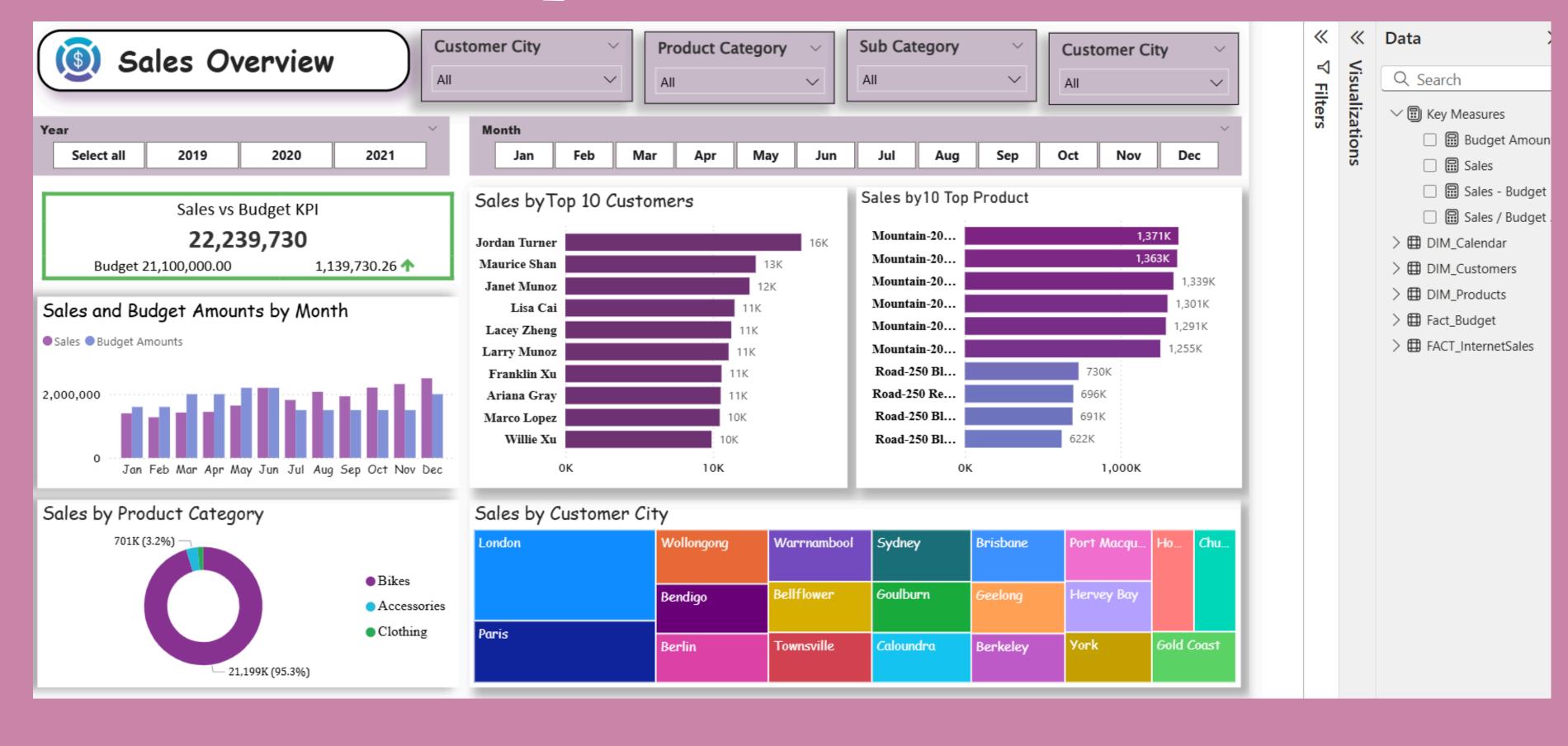


Power BI Modeling & Dashboard Design

- Imported cleaned data into Power BI
- Created star schema model (Fact + Dimensions)
- Built DAX measures:
 - Total Sales, Budget Amount, Variance %, KPIs
- Designed interactive visuals:
 - Filters for year, month, city, product
 - KPIs, bar/line/donut charts, and maps
- Published online via Power BI Service

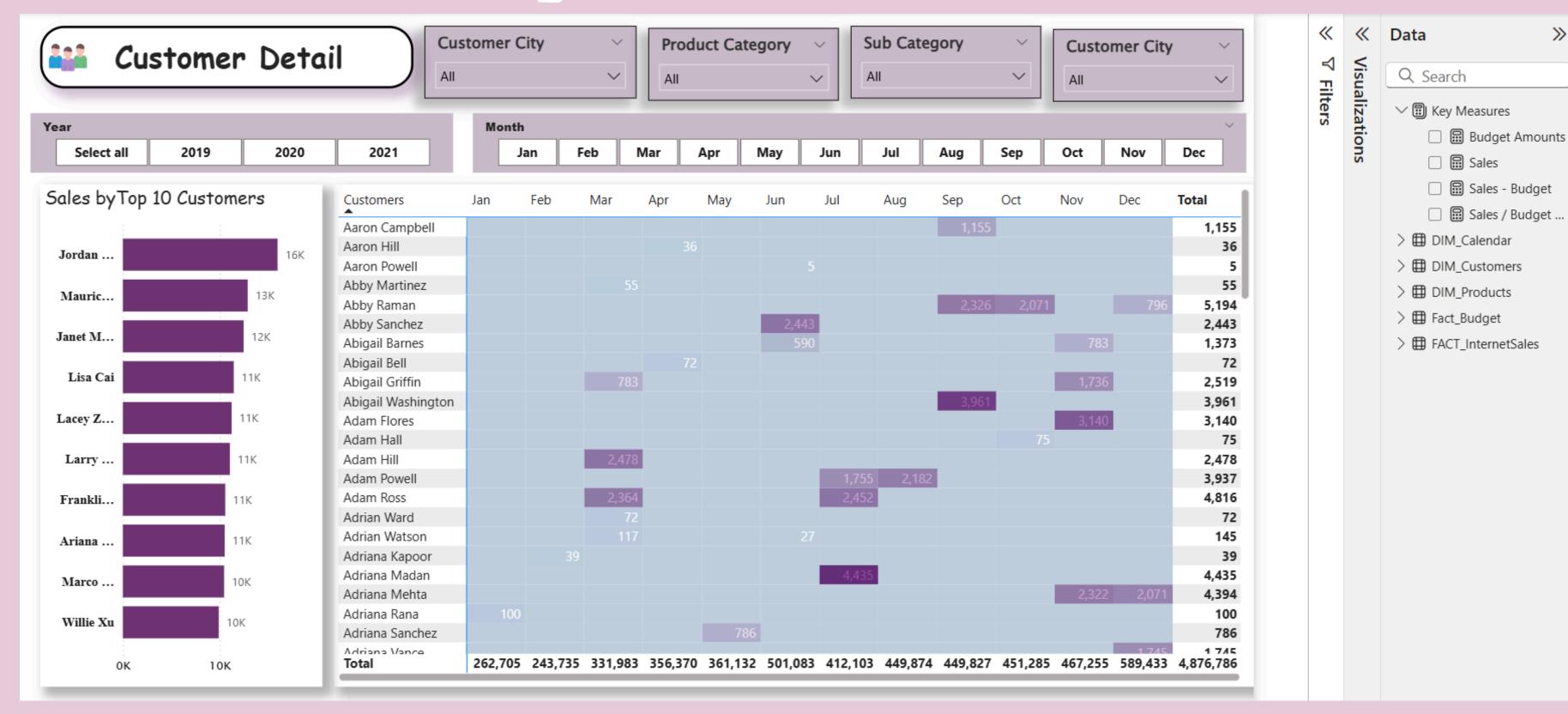


My Dashboard



My Dashboard Mill

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Tools & Techniques:

- SQL Server, T-SQL, Power Query, Power BI, DAX, Excel
- Star Schema Modeling
- Agile Requirements (User Stories)



Outcome:

Delivered a clean, dynamic dashboard that helps sales teams:

- Track performance vs budget
- Analyze trends and top customers/products
- Make informed business decisions

Thanksa lot for Your attention!

