

Study Case:

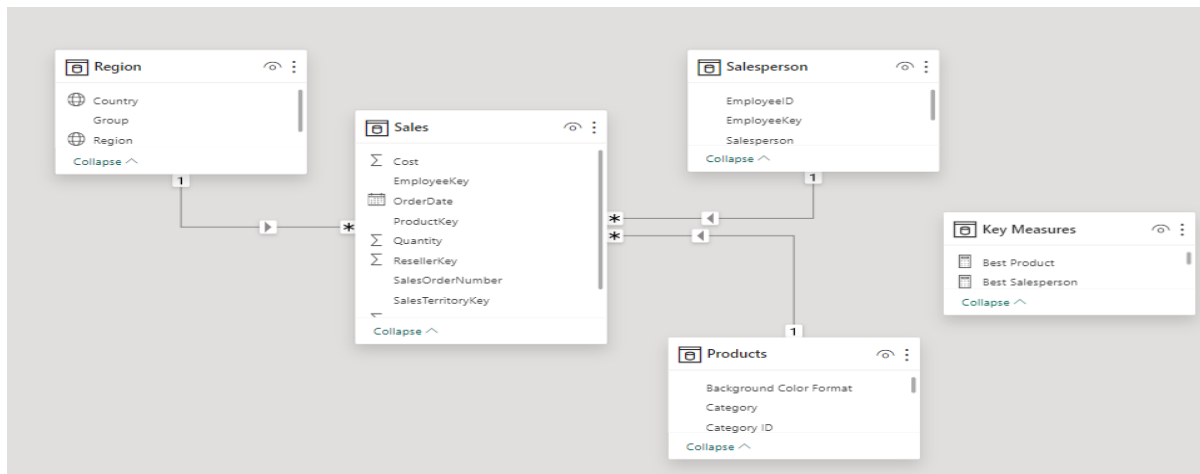
Adventure Works, a multinational bicycle manufacturer, has multiple sales operations across the globe. The company's executive board and sales management team require quarterly sales information to assess their performance for the previous quarter. This analysis should provide them with the insights they need to make strategic decisions for their upcoming quarter.

The specific tasks we will perform in this exercise are:

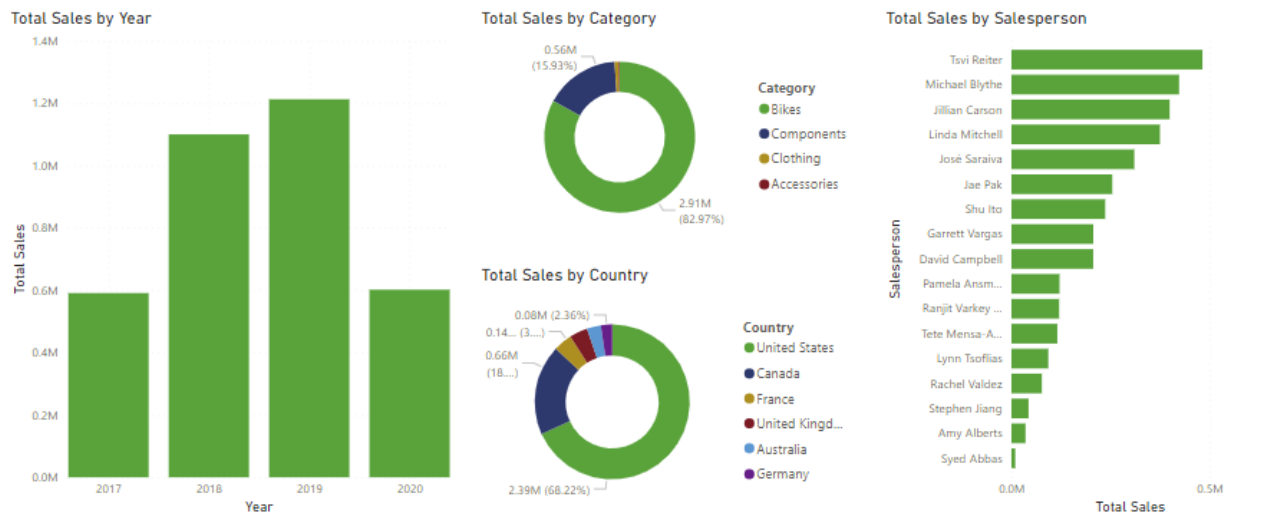
- Create a data story through a dashboard, providing an overview of quarterly sales performance for the executive board of Adventure Works.
- Create a granular report with interactivity about the same sales period for the sales management team.
- Highlight any trends identified, such as higher/lower sales by region, category, and salespersons.
- Provide a conclusion summarizing the key takeaways for both the board of directors and sales management team.

Solution:

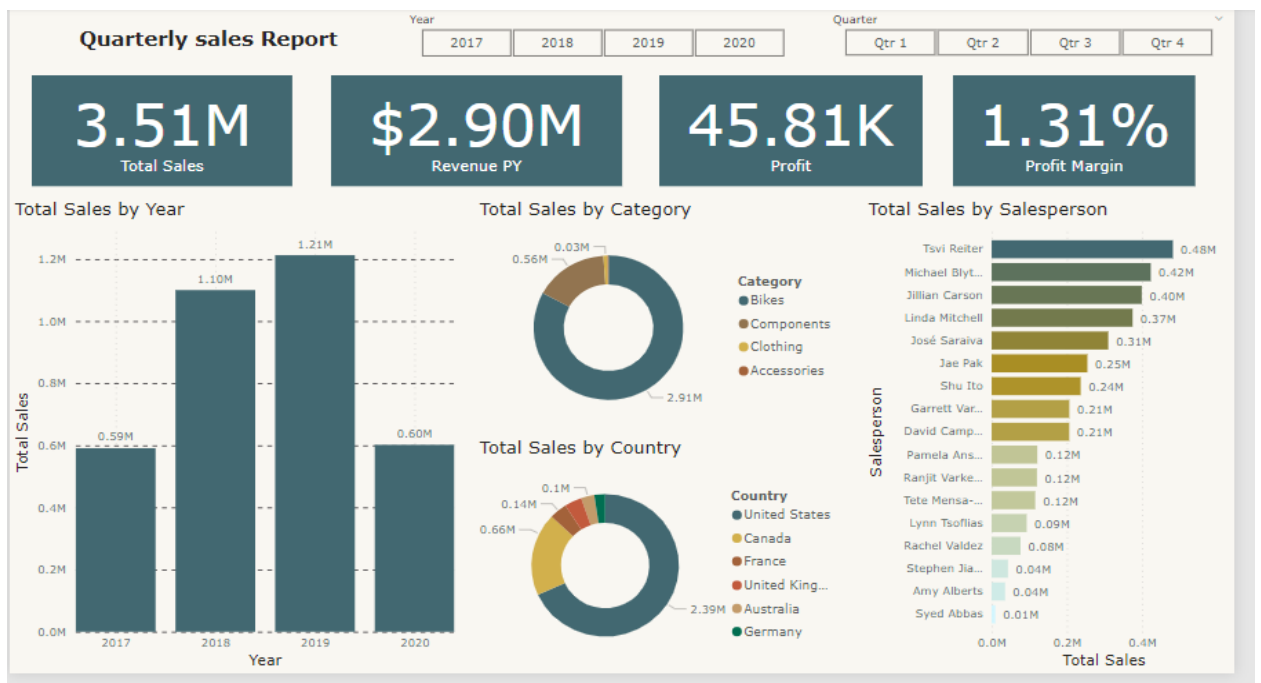
Our data model comprises a Sales fact table along with three-dimension tables: **Region**, **Products**, and **Salesperson**. Additionally, there is a **Key Measures** table that is independent of the model and contains specific key measures.



1. We can visualize the sales by **category**, **country**, and **salesperson** and introduce **year** and **quarter** slicer for interactive visualization of quarterly or yearly sales values. On the other hand, we need to consider adding snapshots of valuable information in the form of card visuals for the executive board.
2. Create visualizations according to the relevant data fields:



- Our data story objective is to show quarterly sales performance, we have to add slicers for the years and yearly quarters so we can interactively explore the data. As well we need to create card visuals to highlight key metrics such as profit, revenue, profit margin.



- We need to apply filters to the report for the first two quarters of 2020, by selecting 2020 from the year slicer will display the data only relevant to the first two quarters of the year. And then select the 1st quarter.

