

Introduction to Power BI

INTRODUCTION TO POWER BI

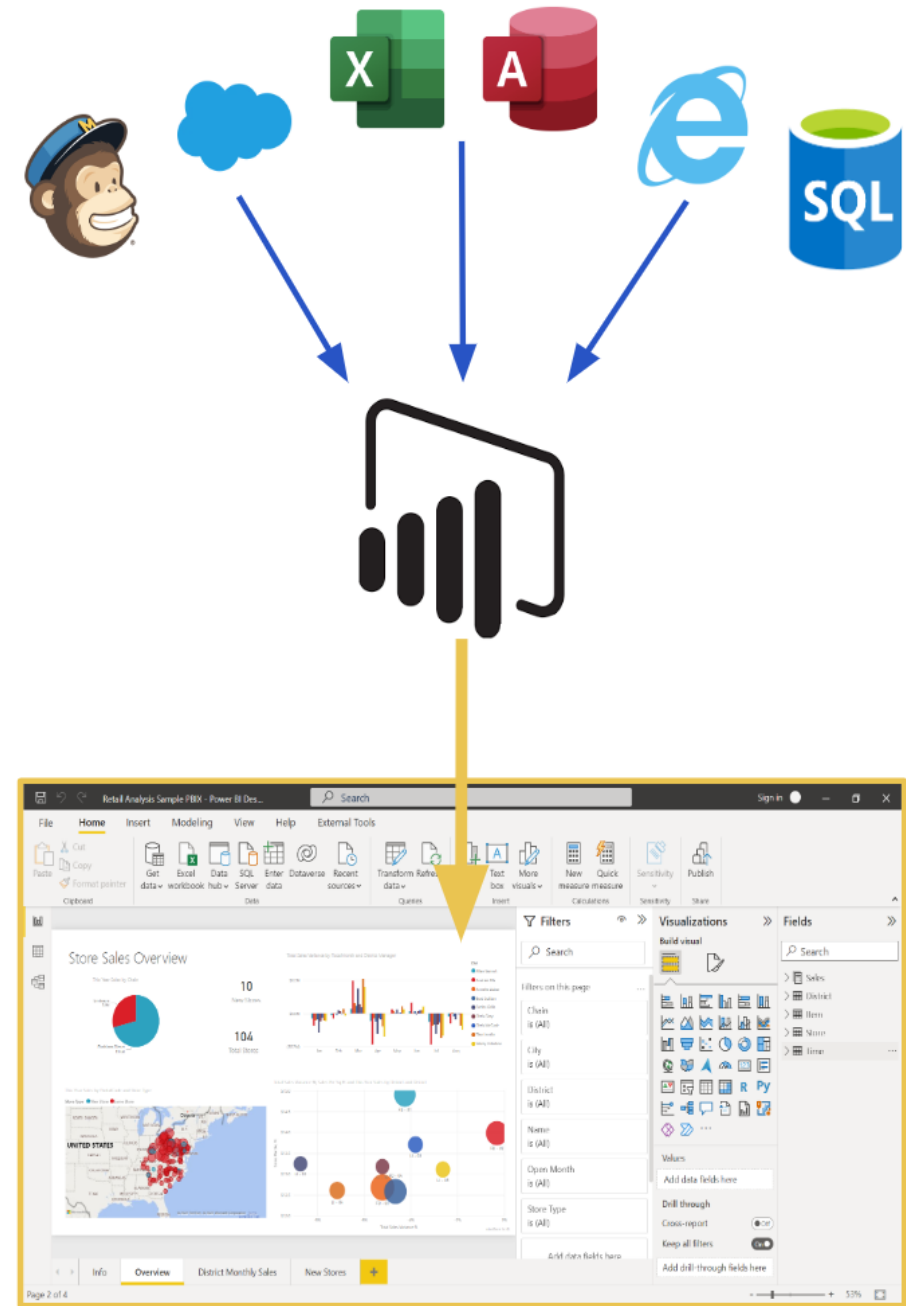


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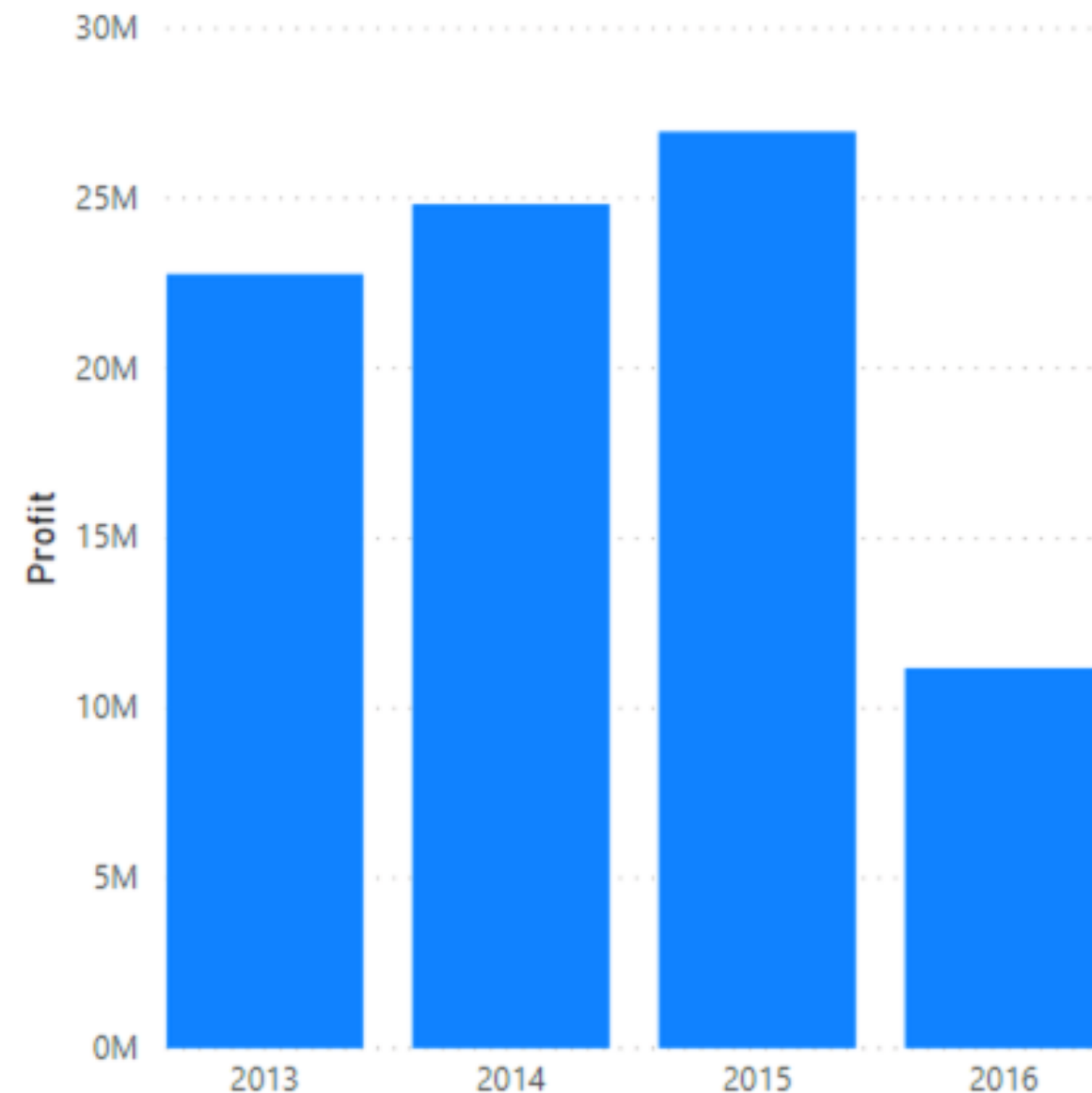
What is Power BI?

- Connect to data
- Clean and structure data
- Create visualizations
- Share findings



Data Visualization in Power BI

Yearly Profit

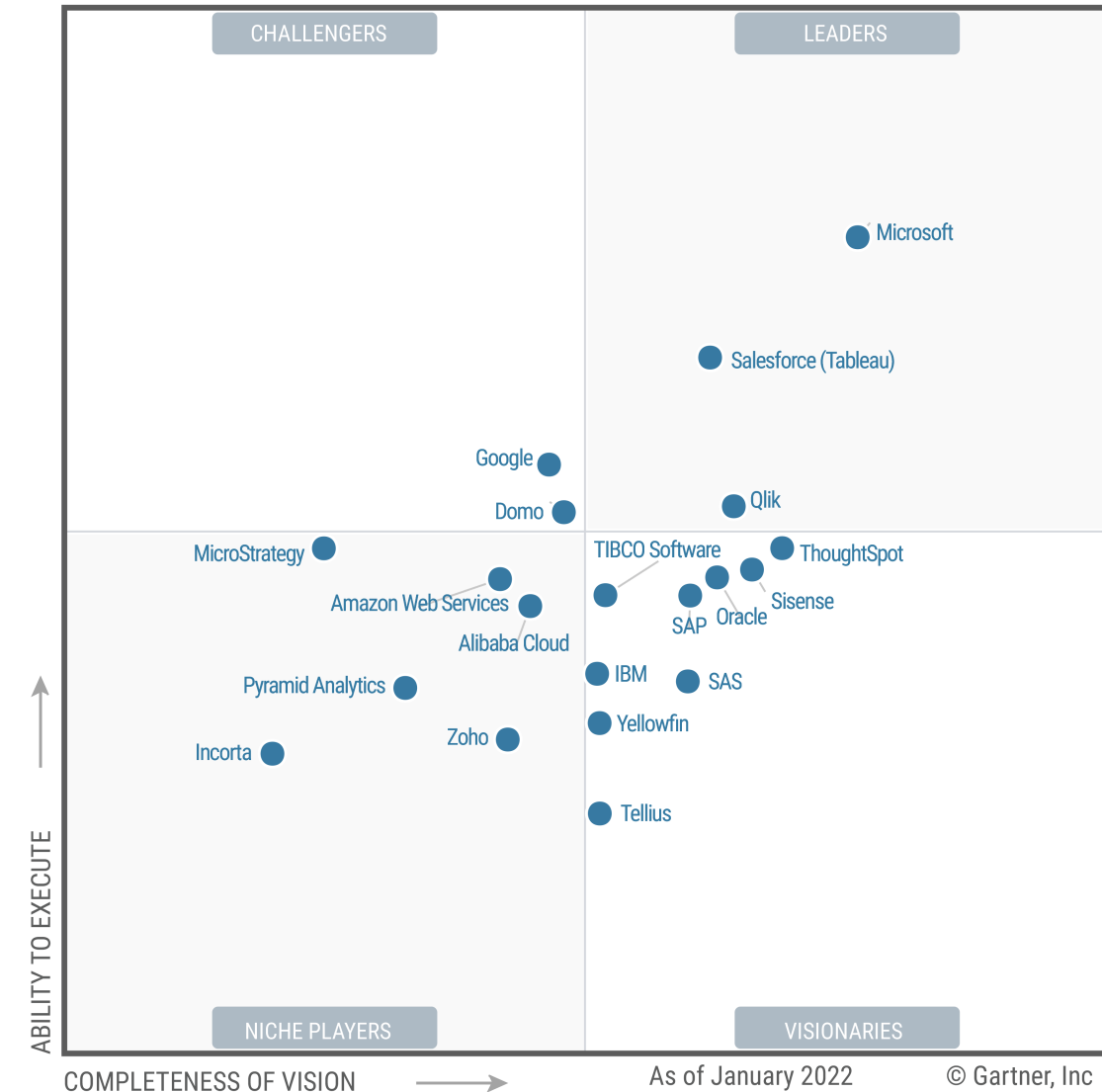


Total Excluding Tax	Tax Amount	Profit	Total Including Tax
129	19.35	67.5	148.35
258	38.7	135	296.7
301	45.15	157.5	346.15
172	25.8	90	197.8
86	12.9	45	98.9
387	58.05	202.5	445.05
387	58.05	202.5	445.05
387	58.05	202.5	445.05
344	51.6	180	395.6
344	51.6	180	395.6
344	51.6	180	395.6
344	51.6	180	395.6
344	51.6	180	395.6
258	38.7	135	296.7
258	38.7	135	296.7
258	38.7	135	296.7
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Why Power BI?

- Leading BI tool according to Gartner
- Over 97% of Fortune 500 companies use Power BI
- Over 6 million customers
- Mastering Power BI can advance your career

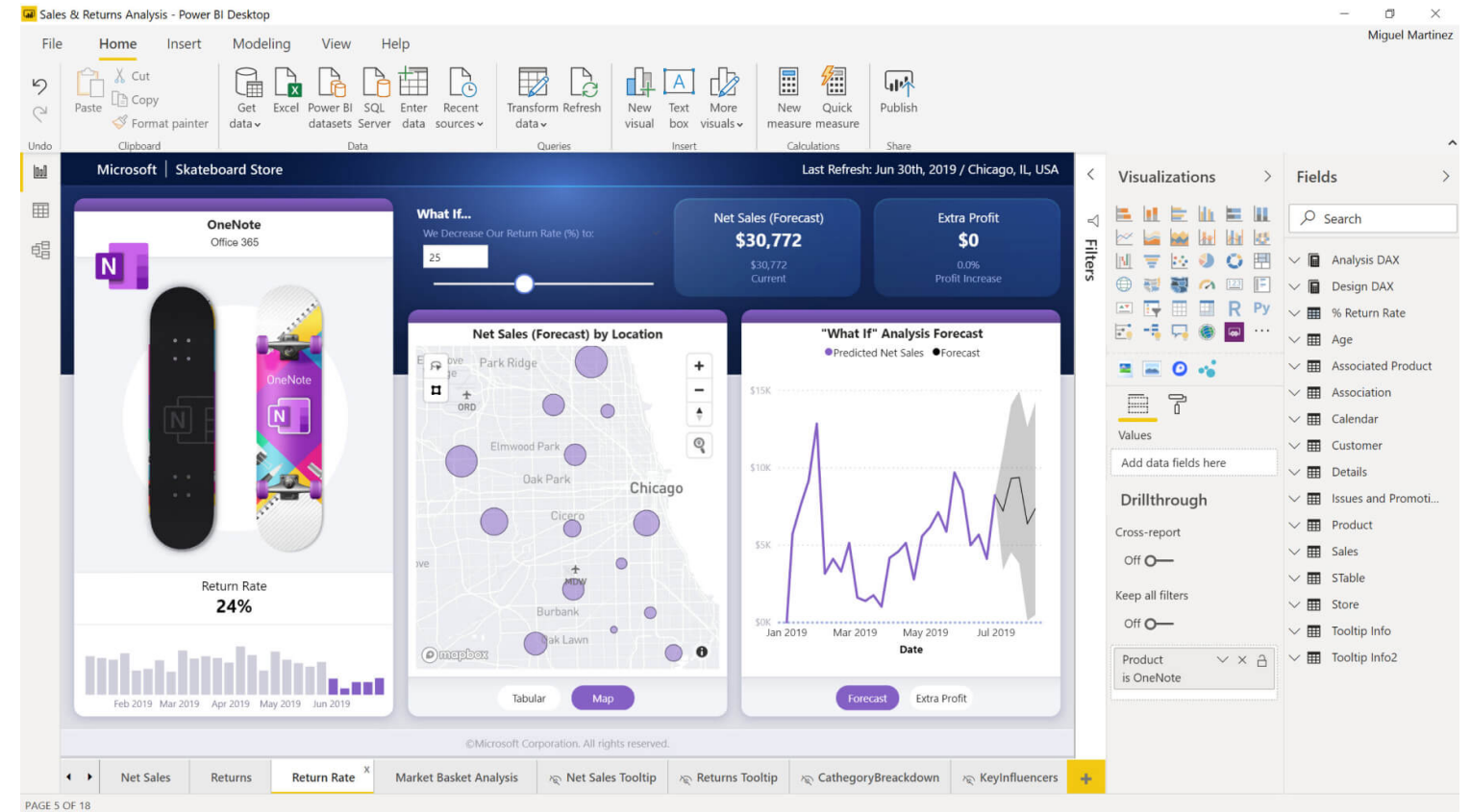
Figure 1: Magic Quadrant for Analytics and Business Intelligence Platforms



Source: Gartner (March 2022)

Power BI Desktop

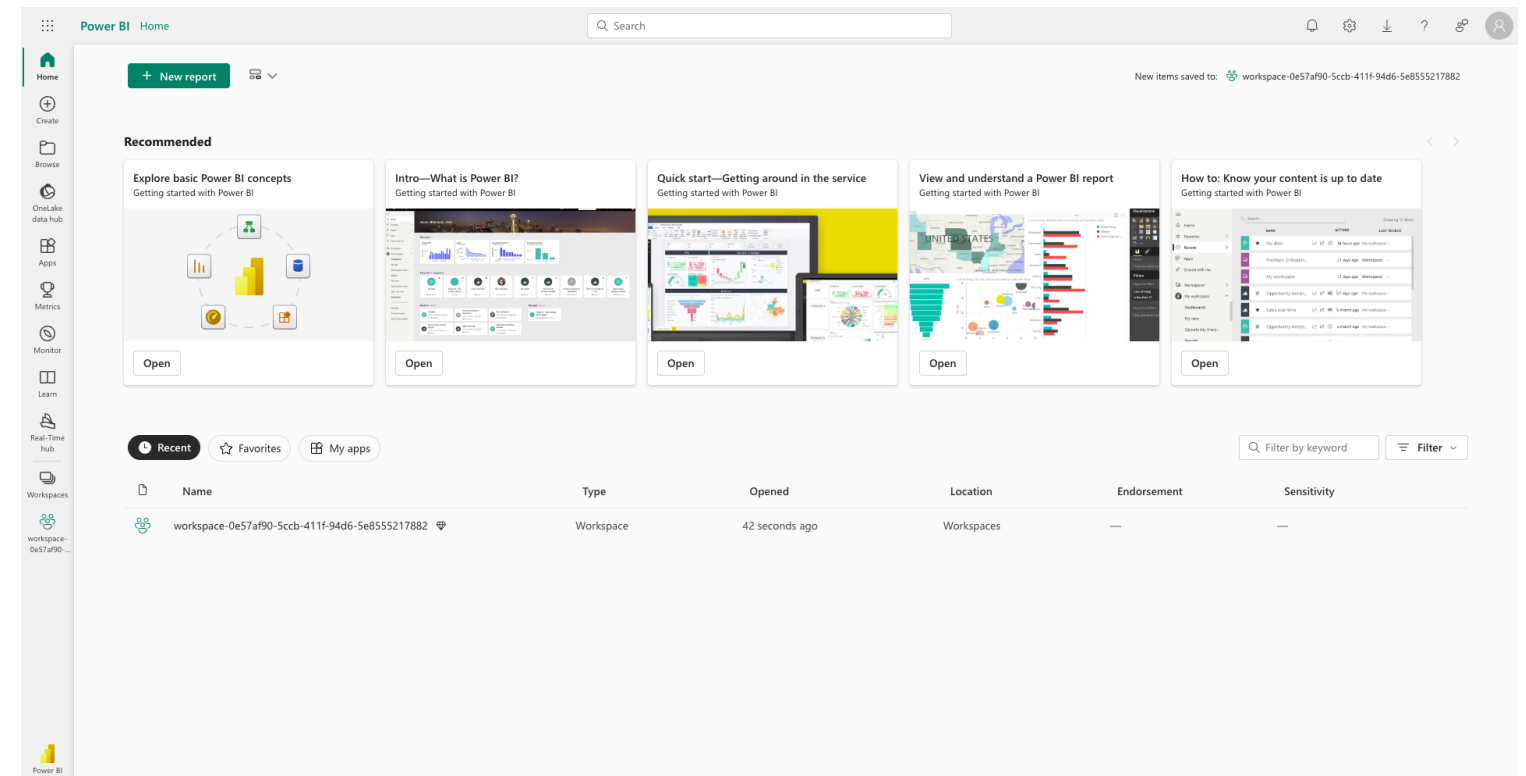
- Data analysis and report creation tool
- Includes the Power Query Editor
- 100% free
- Paid licenses available:
 - Power BI Pro
- Publish and share material on cloud platform
- Collaborate with other Power BI users



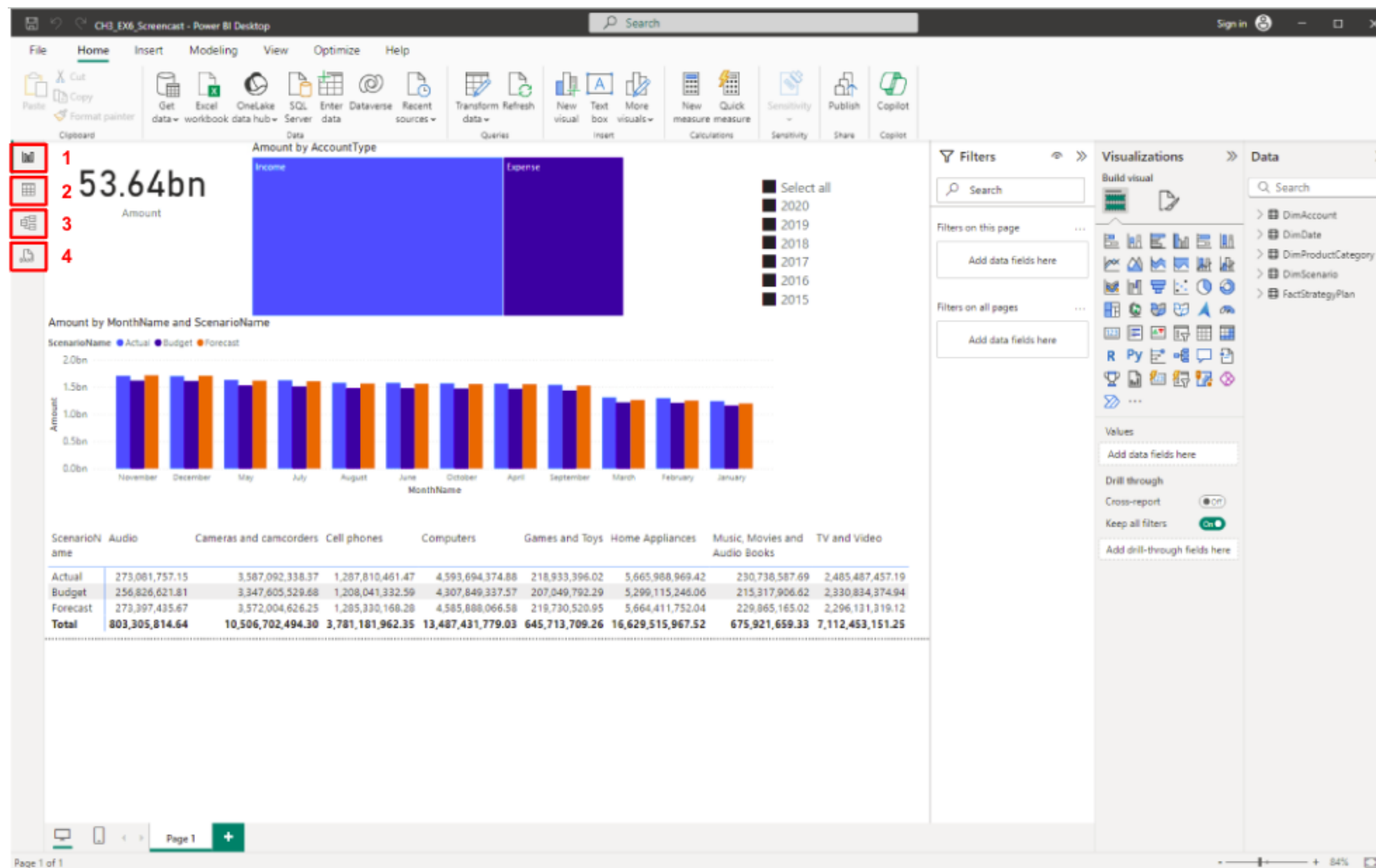
¹ <https://powerbi.microsoft.com/en-cy/desktop/>

Power BI Service

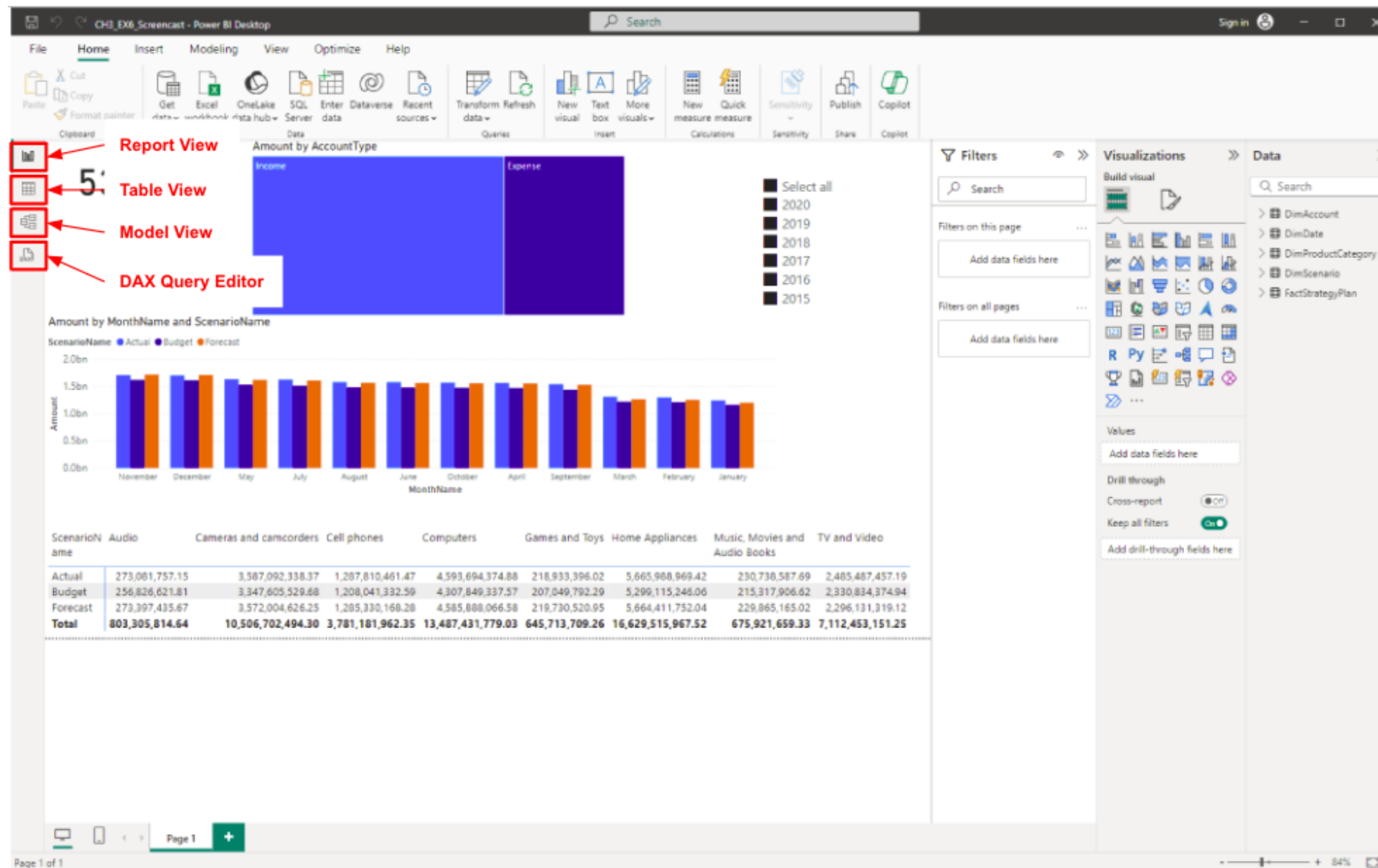
- Cloud-based version
- License required to access all features
- Share and distribute reports



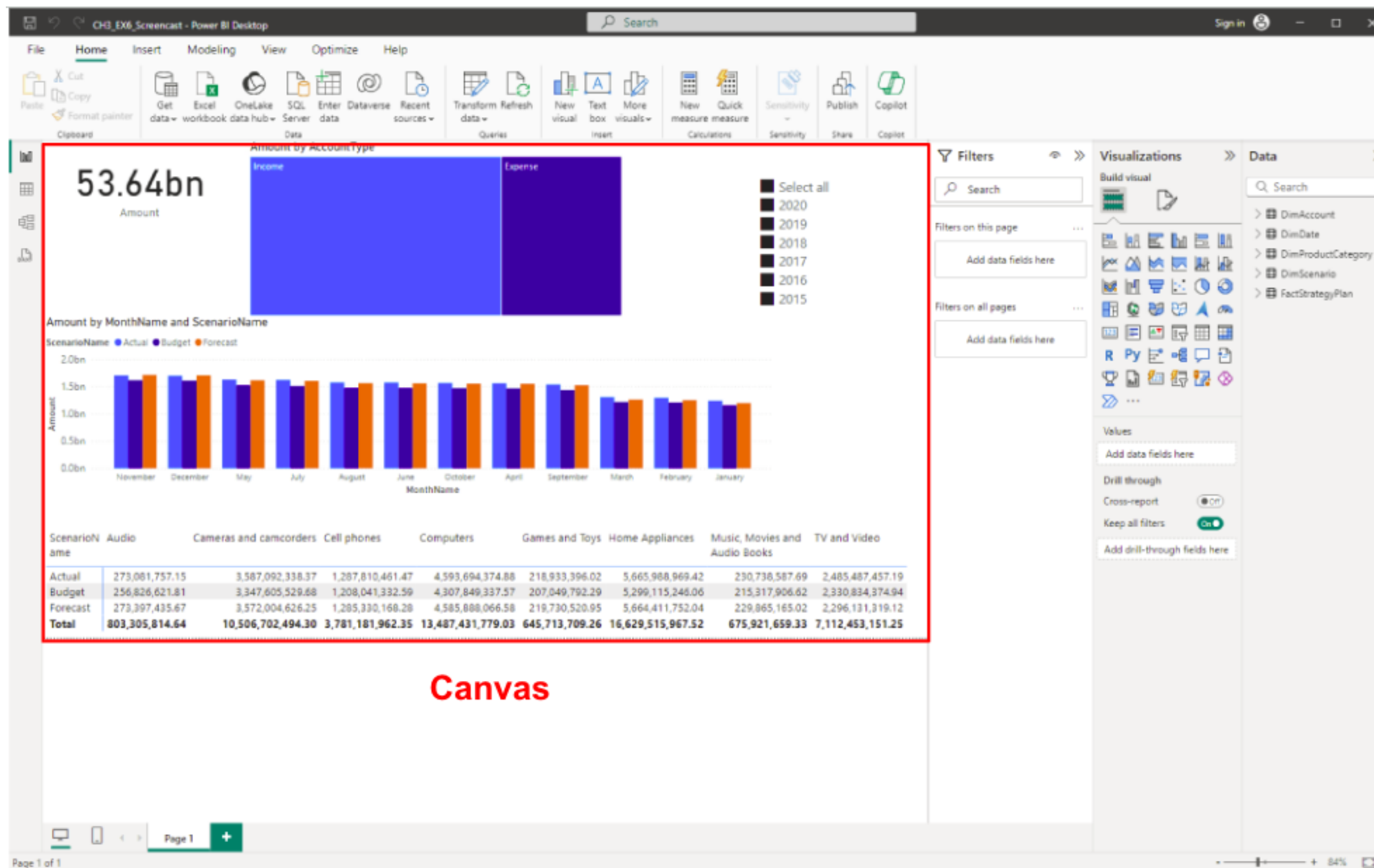
Power BI Interface - Four views



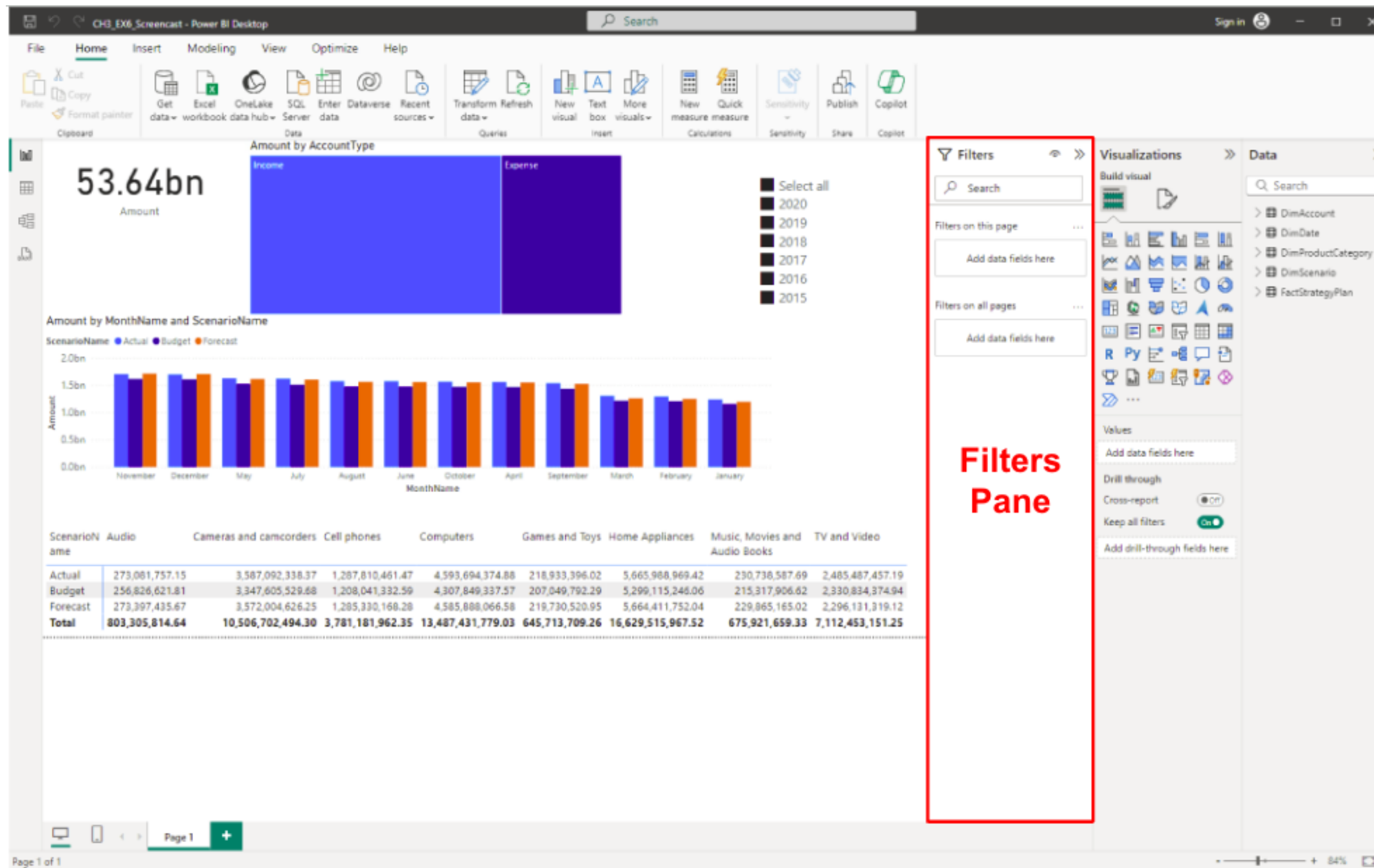
Power BI Interface - Four views



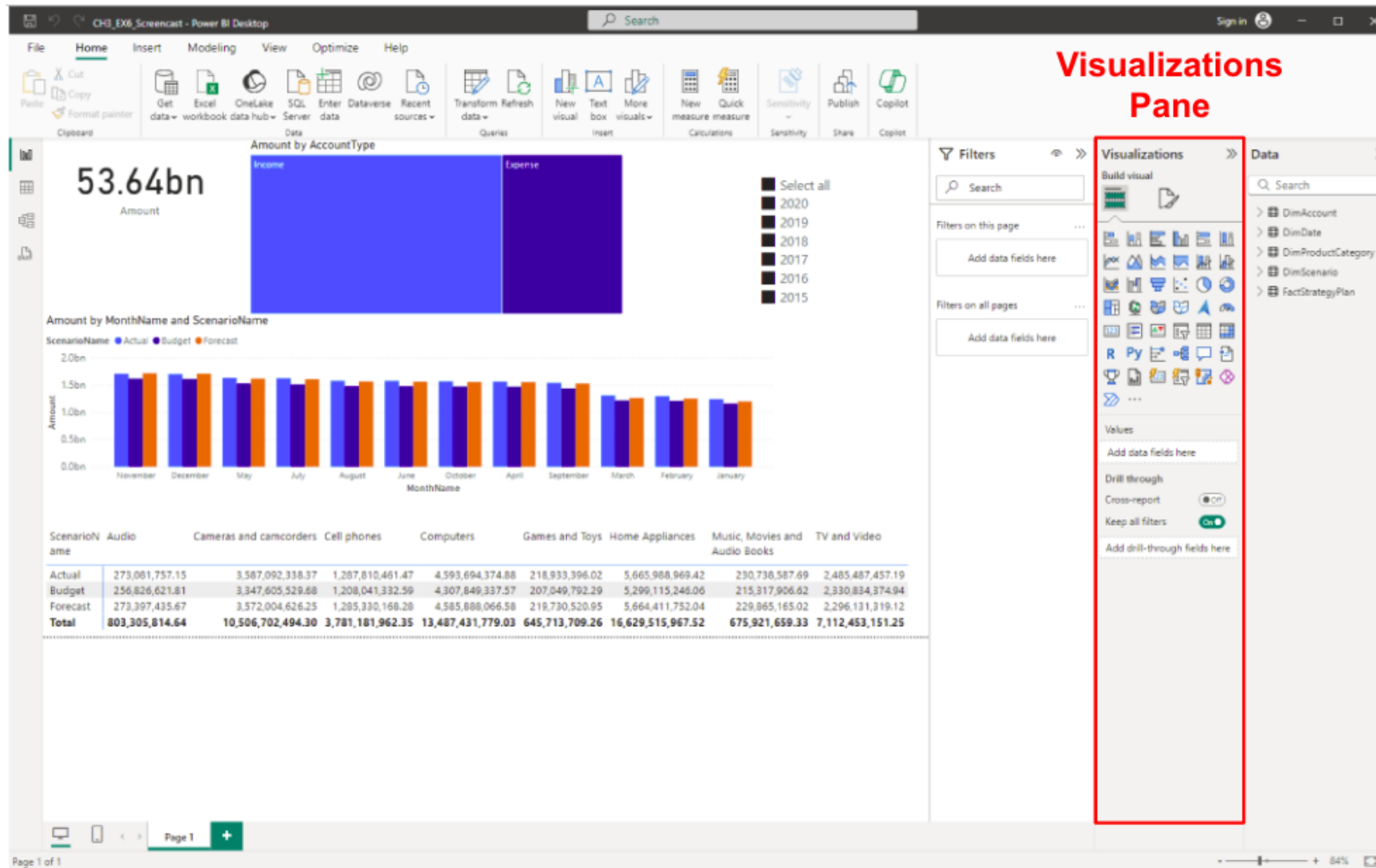
Power BI Interface - Canvas area



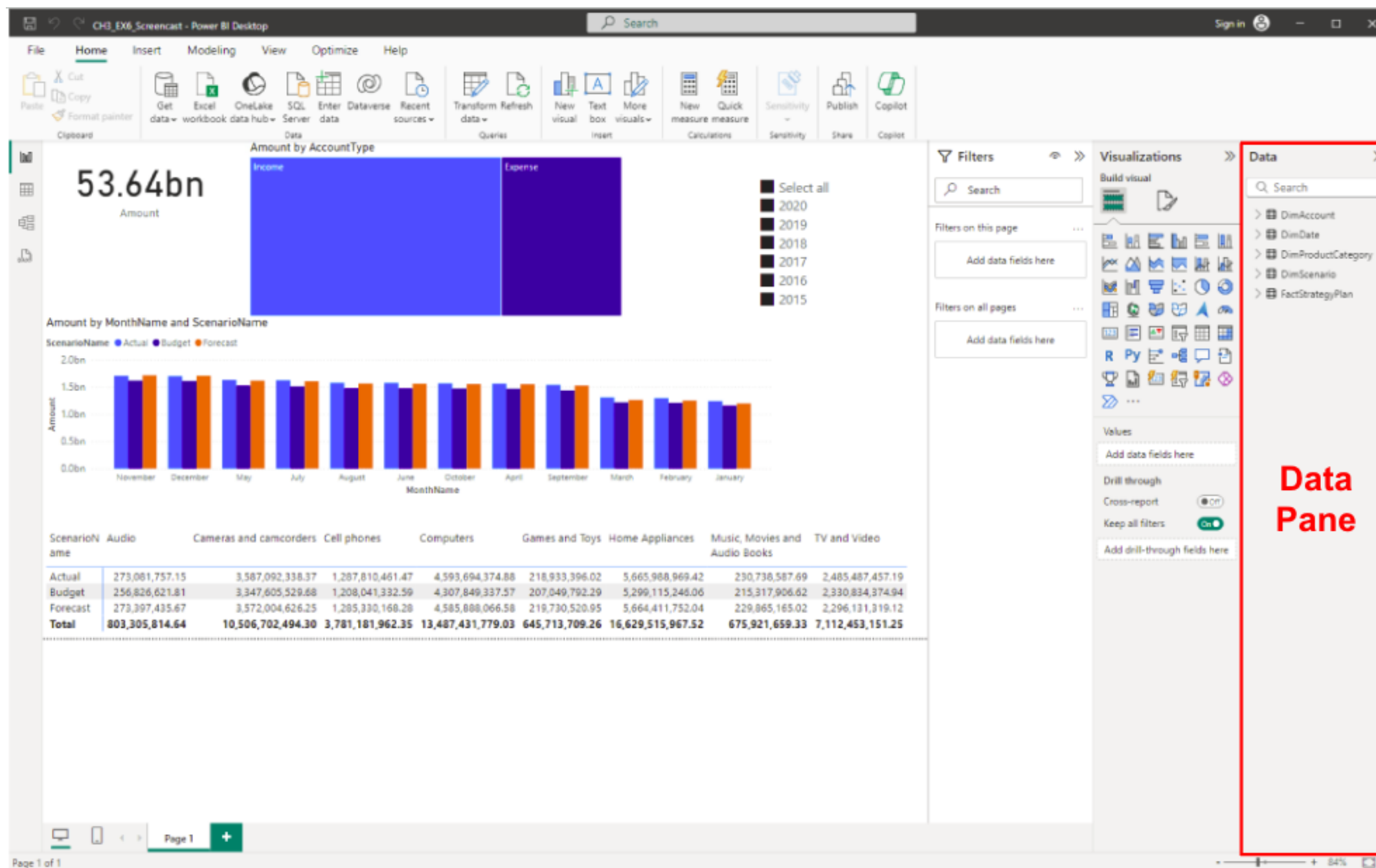
Power BI Interface - Filters pane



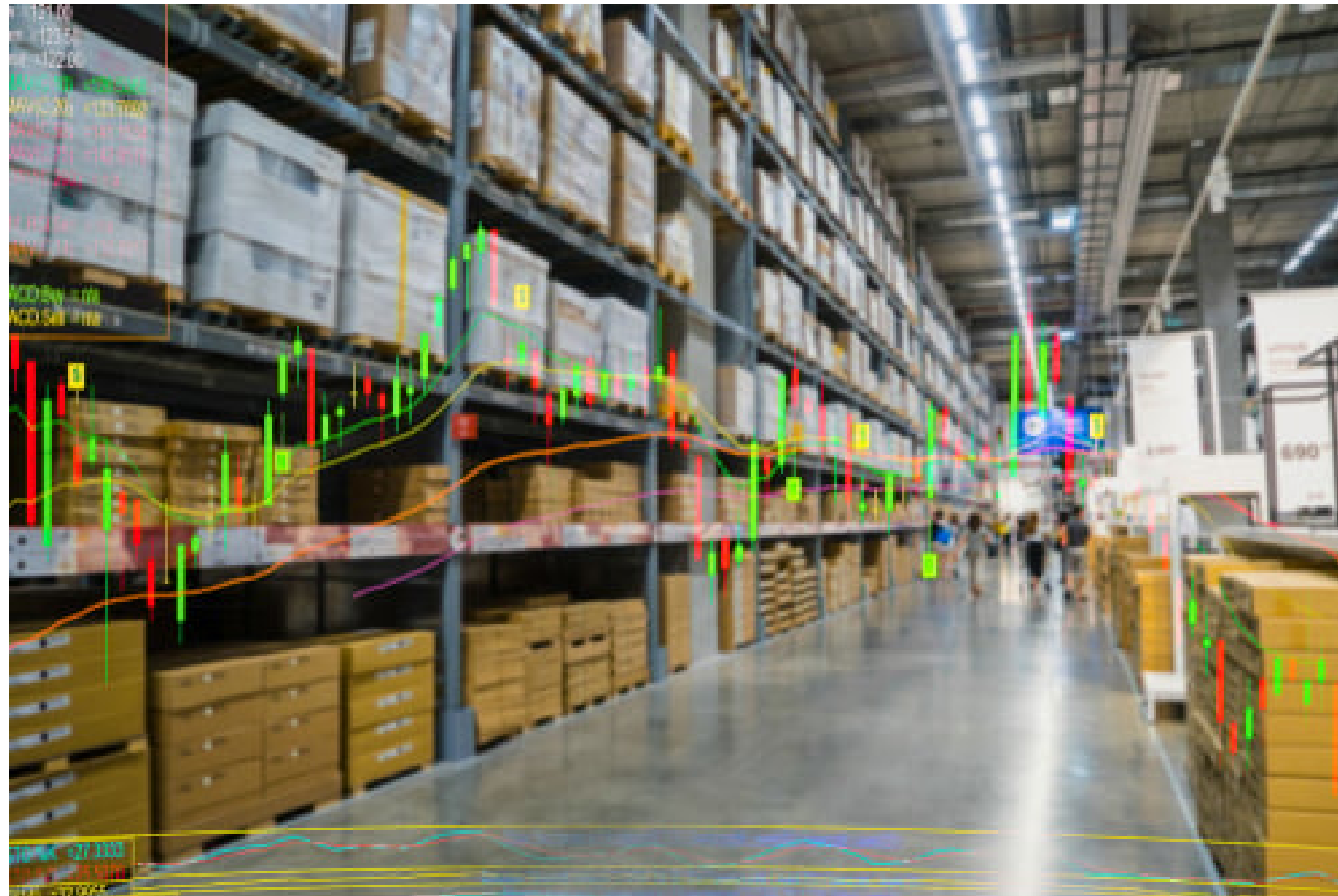
Power BI Interface - Visualizations pane



Power BI Interface - Data pane



Wide World Importers (WWI) dataset



- **NOTE:** All datasets used in the course can be found [here](#) and on the course overview page.
 - This includes demo video files

Wide World Importers (WWI) dataset

- Sales information (fact table):
 - FactSales.csv
- Further transaction details (dimension tables):
 - DimCustomer.csv
 - DimEmployee.xlsx
 - DimStockItem.csv
 - DimDate.csv
 - DimCity.csv



Let's practice!

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Getting started!

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Let's practice!

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Slicers and Tables

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Data Analyst in Power BI track

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What is the Data Analyst in Power BI track?



- Data Analyst in Power BI track co-created with Microsoft
- 17 courses with over 45 hours of learning material
- Learn how Power BI can be used to:
 - Import data
 - Clean data
 - Manipulate data
 - Visualize data

Exam PL-300: Microsoft Power BI Data Analyst



- Courses cover the main skills required
 - Prepare the data
 - Model the data
 - Visualize and analyze the data
 - Deploy and maintain assets
- Become Microsoft Certified: Power BI Data Analyst Associate
- Get a **50% discount code** for the PL-300 exam once you have completed DataCamp's Data Analyst in Power BI track

Let's practice!

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