Microsoft

Power BI

Let's get to know each other

Name

Company affiliation

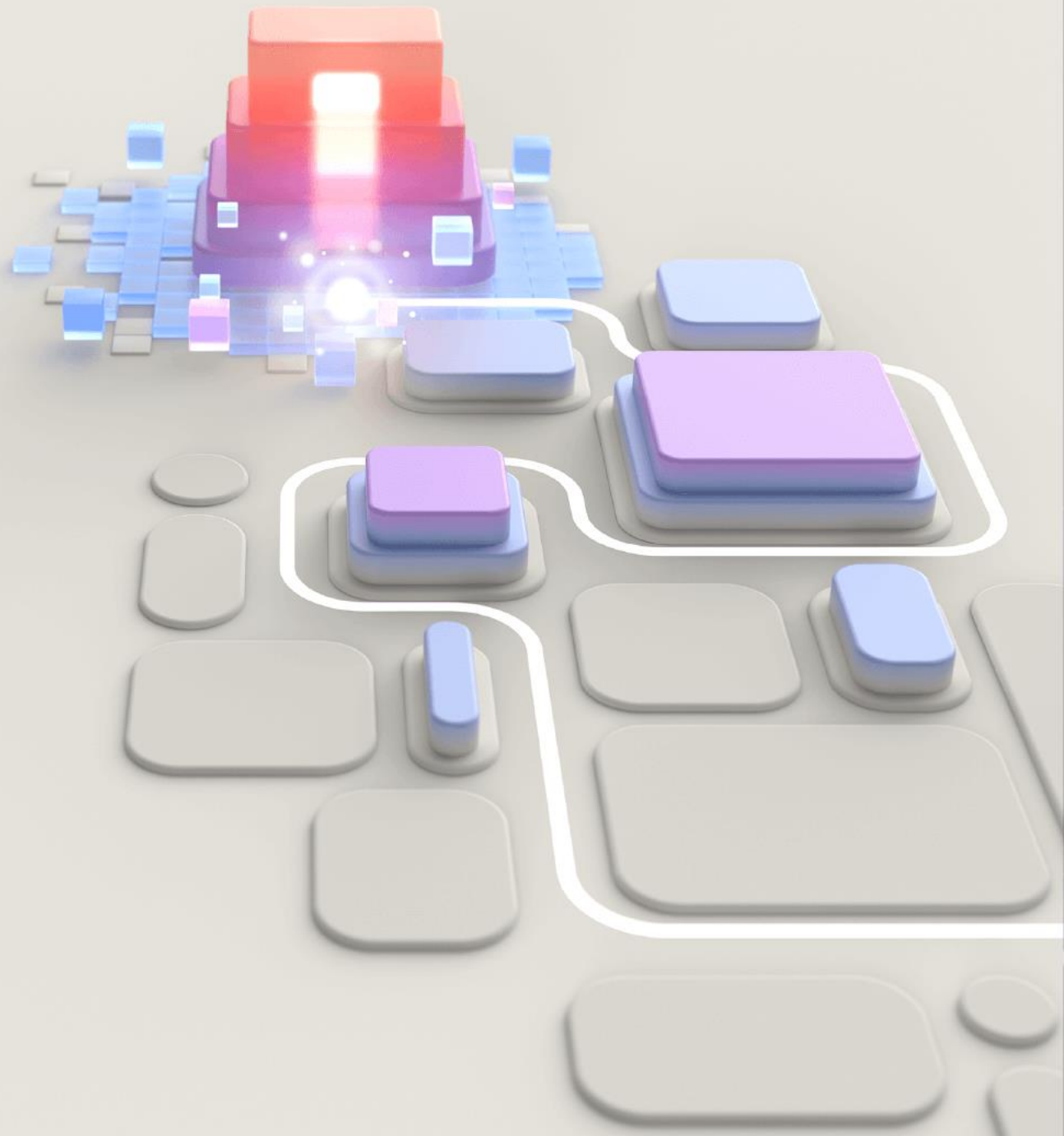Title/function

Experience

Course expectations

Microsoft

Get started with Microsoft data analytics
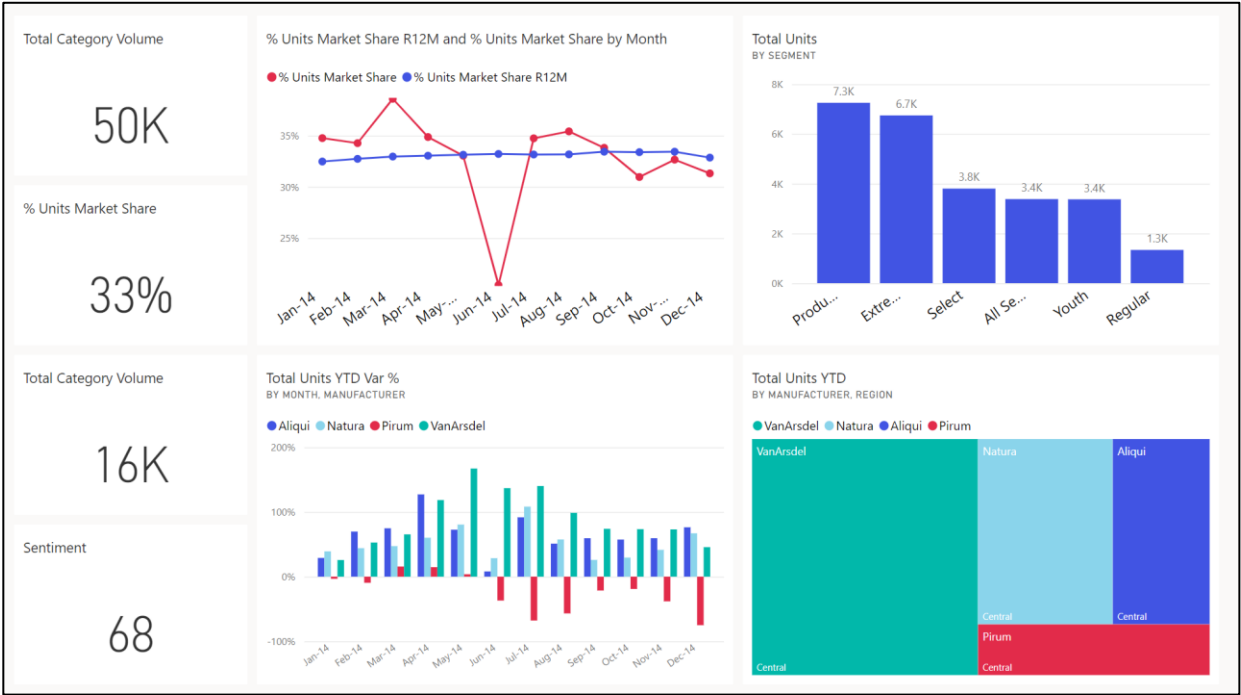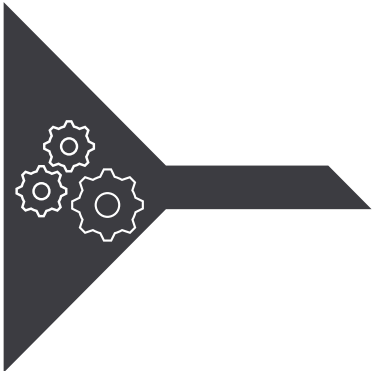
aka.ms/PL300-1

Agenda

- Discover data analysis

- Get started with Microsoft data analytics

Discover data analysis
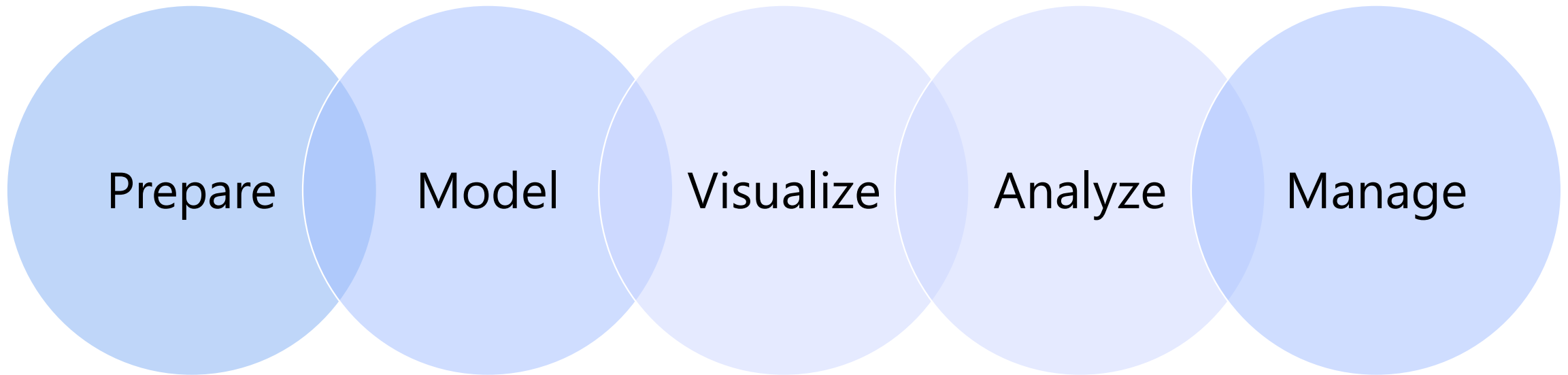
From data to business insights with Power BI

Different types of analysis

Data analysis is another form of storytelling with five categories:

- **Descriptive**: Summarize past data

- **Diagnostic**: Explain past data

- **Predictive**: Forecast future data

- **Prescriptive**: Optimize future data

- **Cognitive**: Learn from data

Tasks of a Data Analyst

Prepare Model Visualize Analyze Manage

Knowledge check: data analytics

Which role enables advanced analytics capabilities through reports and visualizations?

☑ Data analyst
☐ Data engineer
☐ Data scientist

Which data analyst task has critical performance impact on reporting and data analysis?

☐ Analyze
☑ Model
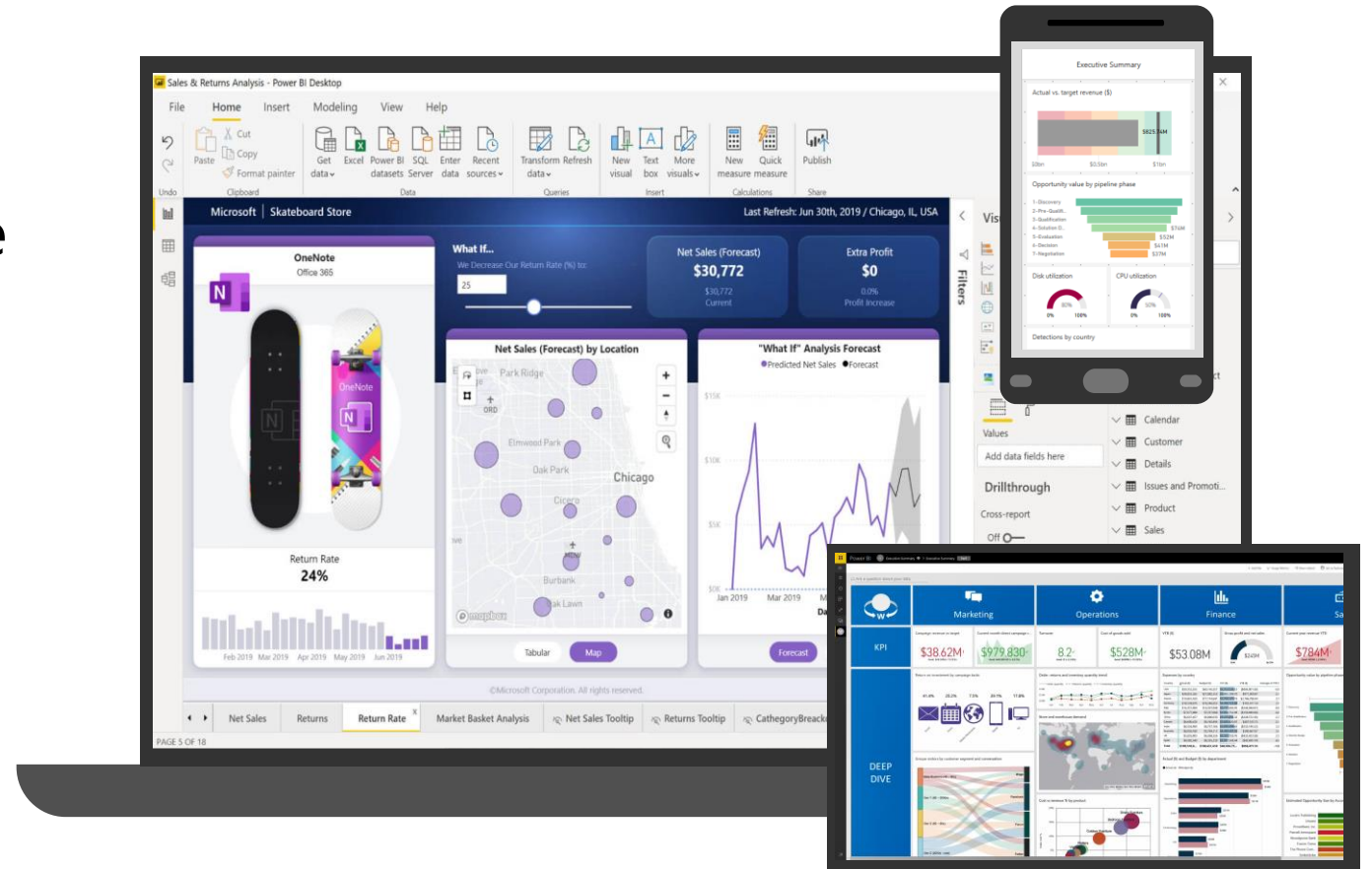☐ Visualize

What is a key benefit of data analysis?

☐ Decisive analytics
☑ Informed business decisions
☐ Complex reports

Get started building with Power BI

Introduction to Power BI environment

- Create with Power BI Desktop

- Distribute with Power BI service
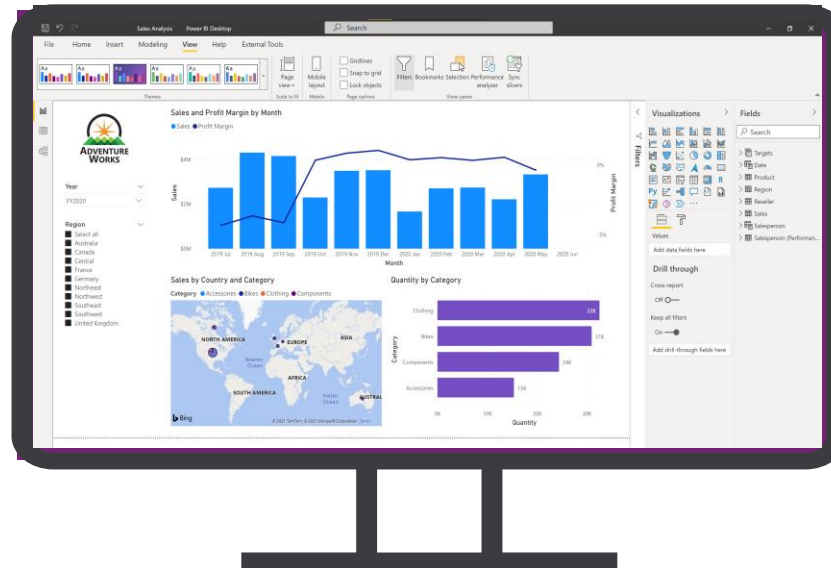
- Access with Power BI Mobile

The flow of Power BI

Data sources   **Power BI Desktop**   **Power BI service & Mobile**
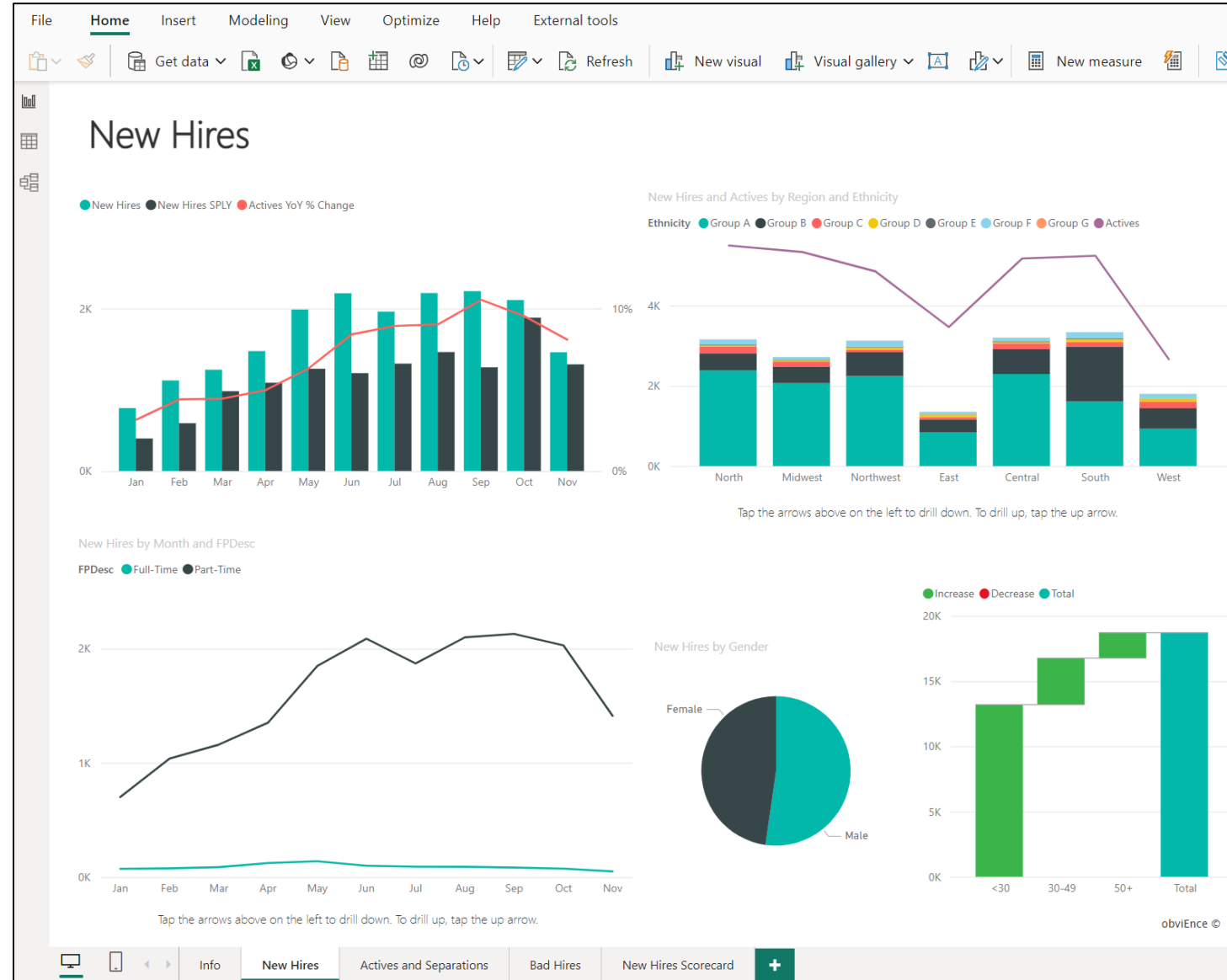
The building blocks of Power BI

Semantic models

- Connected data, transformations, relationships, and calculations.

Visualizations

- Interactive representation of data through various charts and graphics.

Knowledge check: building blocks

What is the common flow of activity in Power BI?

☐ Create a report in the Power BI service, share it to Power BI mobile, and interact with it in Power BI Desktop.

☑ Create a report in Power BI Desktop, share it to the Power BI service, and interact with reports in the service and Power BI Mobile.

☐ Create a report in Power BI mobile, share it to Power BI Desktop, and interact with reports in the Power BI service.

Which of the following are building blocks of Power BI?

☐ Tiles and visualizations.

☑ Semantic models and visualizations.

☐ Semantic models and reports.

What is a collection of reports and dashboards called in Power BI?

☐ Canvas.

☐ Scheduled refresh.

☑ App.

Recap

In this section, we:

Discovered the concept of data analysis with Microsoft.

Reviewed roles in data and the tasks of a data analyst.

Explored building blocks of Power BI applications and services.

Microsoft

Thanks

Resources

Discover data analysis

Get started with Power BI