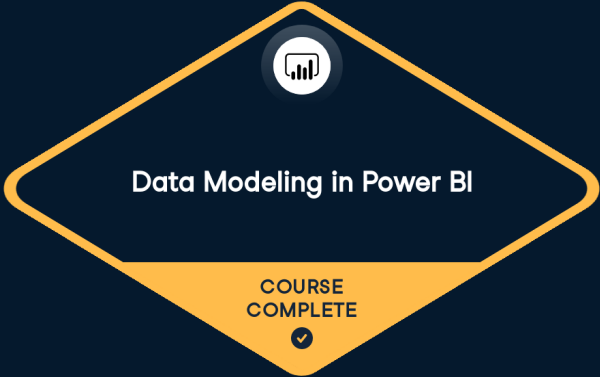


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Data Modeling in Power BI

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COURSE COMPLETE

3 hours

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26 Exercises

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Course Description

Proper data modeling is the foundation of data analysis and creating reports in Power BI. This course lets you explore a toolbox of data cleaning, shaping, and loading techniques, which you can apply to your data. You'll get to know how to choose between Power Query and Power BI, and discover the foundations of data modeling by going into star and snowflake schemas. You'll apply all of this to real-world datasets issued by the United States Census Bureau.

1 Defining Tables FREE

100% 

Proper data analysis relies on proper data modeling. This first chapter covers the basic concepts and teaches you how to set up and load data from multiple sources.

 Data modeling and table properties	50 xp
 Power Query vs. Power BI	50 xp
 Load and transform data	50 xp
 Loading a CSV	94 xp
 Rounding, replacement, and sorting	0 xp
 Data categorization and visibility	90 xp
 Working with string columns	100 xp

HIDE CHAPTER DETAILS

Completed

● Shaping Tables

100% 

In this chapter, we continue comparing Power Query and Power BI practices. Later, you will exercise combining tables and column extraction on Power BI.

VIEW CHAPTER DETAILS

Completed

● Dimensional Modeling

100% 

In this chapter, you'll learn more about one of the most popular approaches to data modeling. You'll get familiar with the basic building blocks of the dimensional model; facts, dimensions, and star schemas.

- ▶ **Dimensional modeling** 50 xp
- ⌄ **Facts vs. dimensions** 100 xp
- ▶ **Creating a star schema** 50 xp
- ⌄ **Splitting data into facts and dimensions** 90 xp
- ⌄ **Load a new dimension** 92 xp
- ⌄ **Create another dimension** 100 xp

HIDE CHAPTER DETAILS




Completed

● Star and Snowflake schemas

100% 

In this final chapter, you'll continue with an extension of the star schema: the snowflake schema. Lastly, you will have your first practice with performance analyzer in Power BI.

- ▶ **Star and snowflake schemas** 50 xp
- ⌄ **Snowflake vs. star schema** 50 xp
- ▶ **Evaluating performance** 50 xp
- ⌄ **Star schemas** 92 xp

 Snowflake schemas	100 xp
 The performance analyzer	94 xp
 Congratulations!	50 xp

HIDE CHAPTER DETAILS

Completed

This course is part of these tracks:

Data Analyst in Power BI

Power BI Fundamentals

DATASETS

DataCamp vs. Local Experience

Exercises and Datasets



Sara Billen

Data Scientist at DataCamp

Sara is a graduate of a master's degree in Business Engineering and Marketing Analysis. Prior to working at DataCamp she worked as a Data Science consultant for a Belgian IT company. Sara is passionate about education, data science, and business and loves that she is able to combine all of these disciplines in her job at DataCamp.

See More



Maarten Van den Broeck

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Maarten is an aquatic ecologist and teacher by training and a data scientist by profession. He is also a certified Power BI and Tableau data analyst. After his career as a PhD researcher at KU Leuven, he wished that he had discovered DataCamp sooner. He loves to combine education and data science to develop DataCamp courses. In his spare time, he runs a **symphonic orchestra**.

[See More](#)**COLLABORATORS****Carl Rosseel****Lis Sulmont****Kevin Feasel****Nina Spreitzer****PREREQUISITES**[Introduction to Power BI](#)