

**Lesson 6: Principles of Data Manipulation and Management**

- ✓ **Video:** Data Models, Terminology  
5 min
- ✓ **Video:** From Data Models to Databases  
4 min
- ✓ **Video:** Pre-Relational Databases  
5 min
- ✓ **Video:** Motivating Relational Databases  
3 min
- ▶ **Video:** Relational Databases: Key Ideas  
4 min

**Lesson 7: Relational Algebra**

**Lesson 8: SQL for Data Science**

**Lesson 9: Key Principles of Relational Databases**

**Assignment 2: SQL**



**Pre-Relational Databases**




# Motivating Relational Databases

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0:00

[MUSIC] So last time we talked about data models and used them to motivate databases and to define the term database and in a broad sense. And now I wanna build on that to talk specifically about relational databases. So last time we talked about these questions you could use to reason about different ways of organizing data and evaluate them with respect to your requirements. And I want to talk about these questions and apply them to examples of different kinds of databases you saw in the past

0:28

that end up motivating the relational model. And in particular the reason I want to go through this