

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

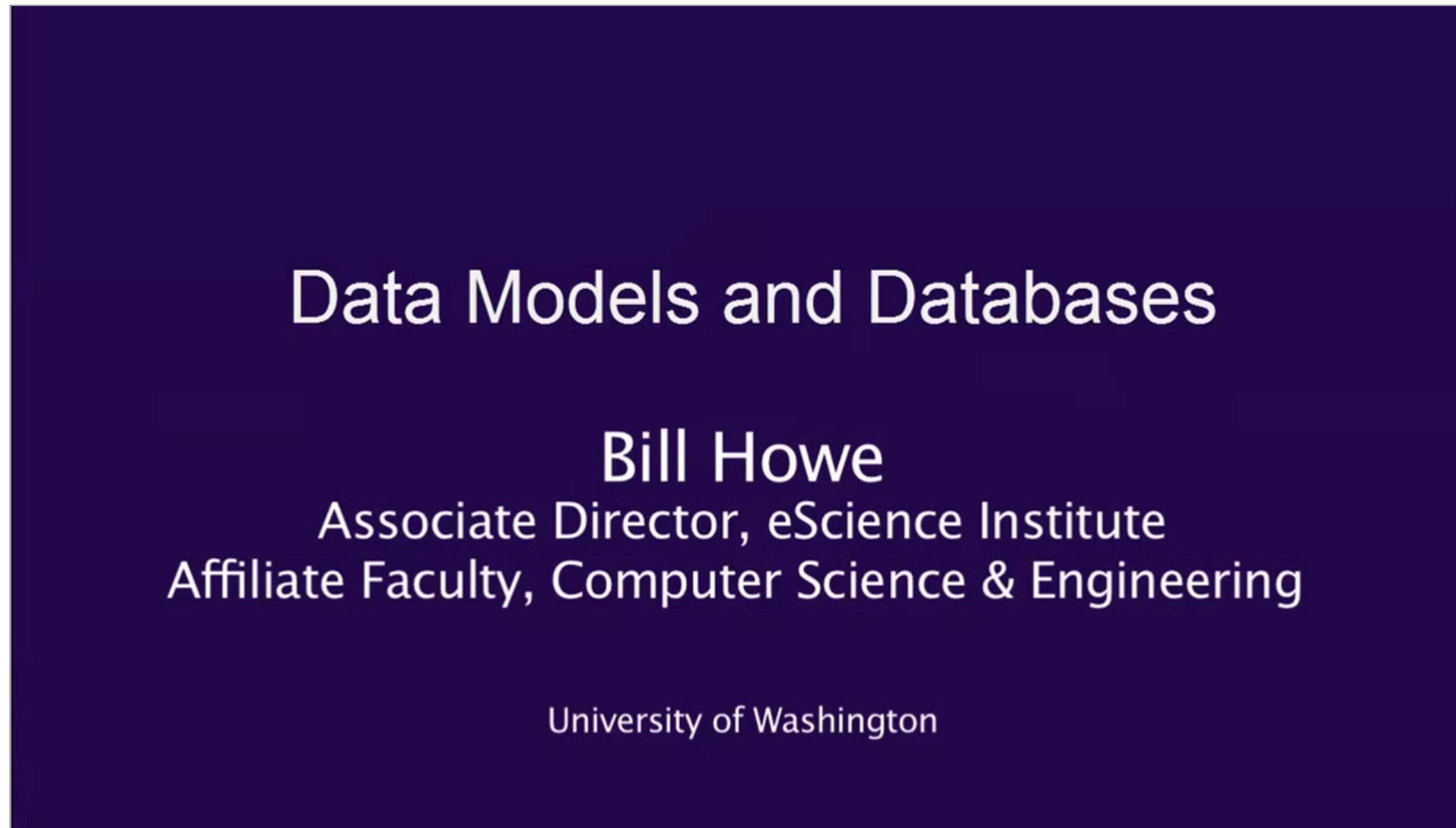
Lesson 7: Relational Algebra

Lesson 8: SQL for Data Science

Lesson 9: Key Principles of Relational Databases

Assignment 2: SQL

Data Models, Terminology



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0:00

[MUSIC] Welcome back. I wanna talk a little bit about data models as a run up to talking about

databases over the next couple of segments. So, this is a data science course, so we know have data. So, the first question to ask is just where is this stored, how do we store data? And so one way of interpreting this question is just to talk about technology. So, what technology do we use? Well, we use magnetic media, and we might use solid state drives more recently. So, both of these have the property that they persist even when the power goes off, the data is safe even when the power is not On. So, nonvolatile storage. But another way of interpreting the question is, a little different, a little more of the logical way we store the organization of the data. And so you might