This is our first encounter with a database. What does it contain? How do we browse a large database?

**Problem**
- Incorrect queries return pages of results, or nothing at all
- SQL 1999
- Requires time, skills and knowledge of the data
- Instant exploration of the data

**Querying**
- We answer a query with queries
- Each query describes a portion of the data and can be submitted for further exploration

**Approach**
- Hierarchical binary cuts
- Principle: we recursively split the data in two equally large parts

**Data Mining**
- Requires time, skills and knowledge of the data
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**Our dream system**
- Instant exploration of the data

**Good queries...**
- ... are meaningful
  - They cover similar items
  - They are based on related attributes
- ... are tractable
  - Easy to read
  - Neither too specific nor too general
- ... appear in real time

**Which attributes?**
- Variable dependency detection algorithm
- Age, Salary, Weight, Height

**Method**
- Variable dependency detection algorithm