

Meet Charles, Big Data query advisor

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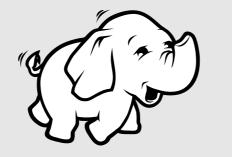
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This is our first encounter with a database. What does it contain? How do we browse a large database ?

Problem

Querying

SQL 1999



Incorrect queries return pages of results, or nothing at all

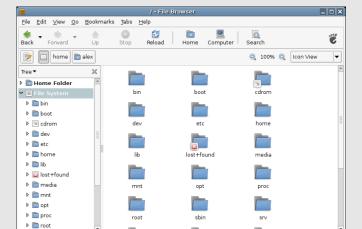
Data Mining





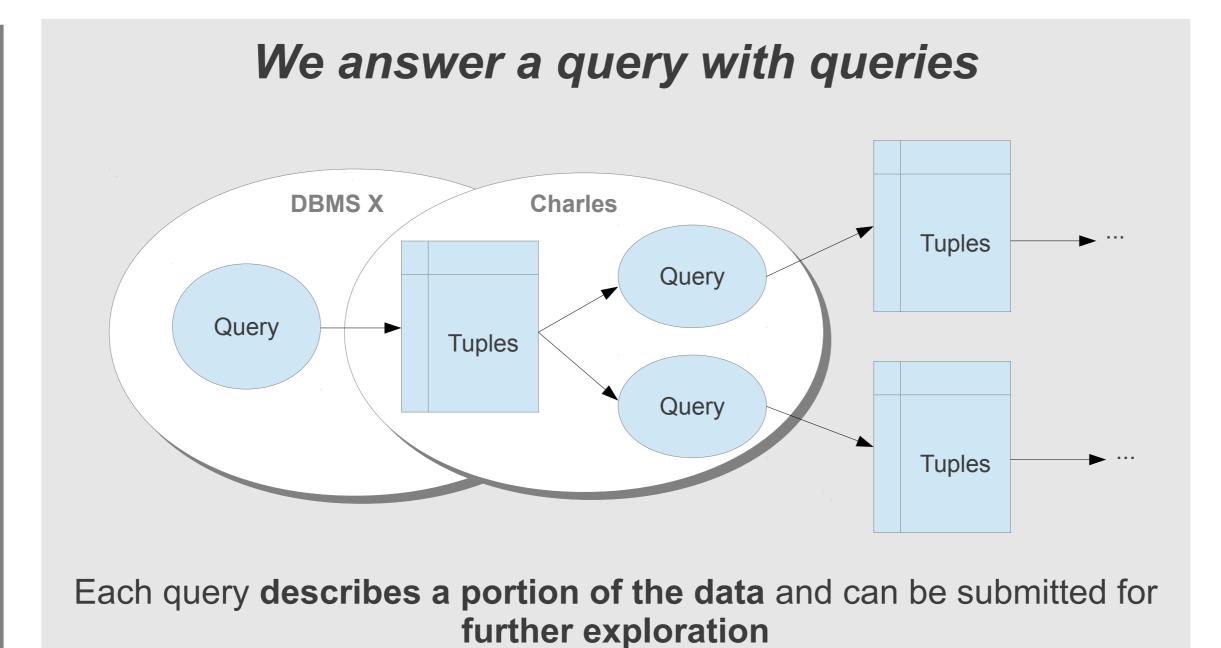
Requires time, skills and knowledge of the data

Our dream system



Instant exploration of the data

Approach



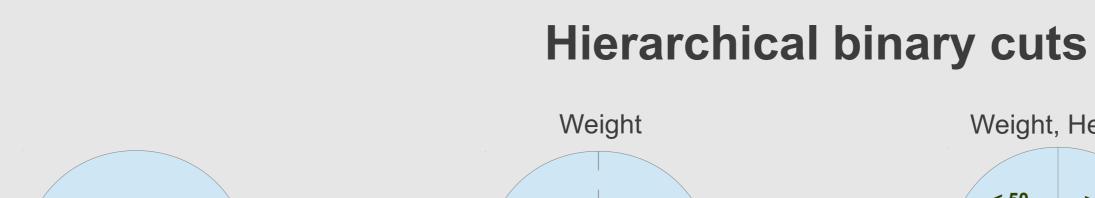
Good queries...

... 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





Principle: we recursively split the data in two equally large parts

Method

