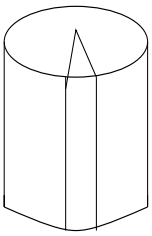
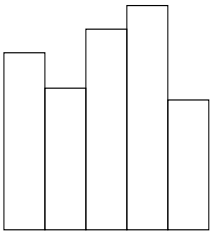


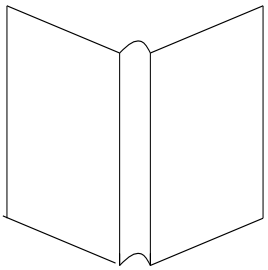
Task-relevant data

- database or data warehouse name
- database tables or data warehouse cubes
- conditions for data selection
- relevant attributes or dimensions
- data grouping criteria



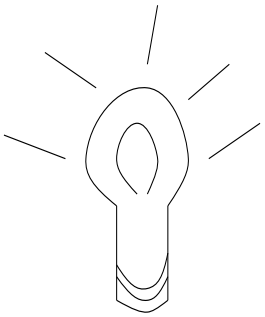
Knowledge type to be mined

- characterization
- discrimination
- association
- classification/prediction
- clustering



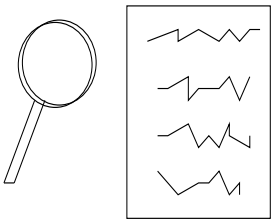
Background knowledge

- concept hierarchies
- user beliefs about relationships in the data



Pattern interestingness measurements

- simplicity
- certainty (e.g., confidence)
- utility (e.g., support)
- novelty



Visualization of discovered patterns

- rules, tables, reports, charts, graphs, decisison trees, and cubes
- drill-down and roll-up

Figure 4.2: Primitives for specifying a data mining task.