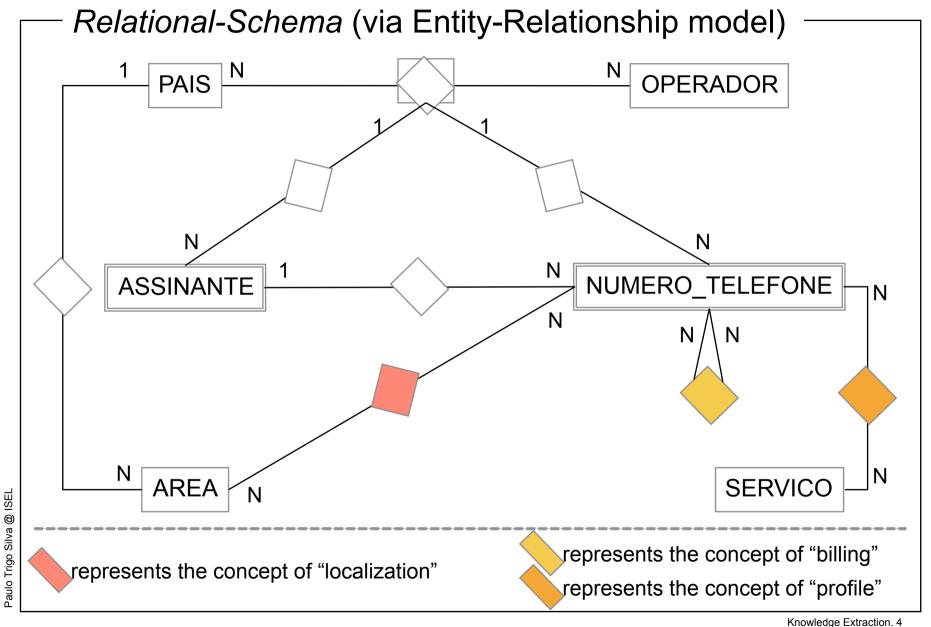
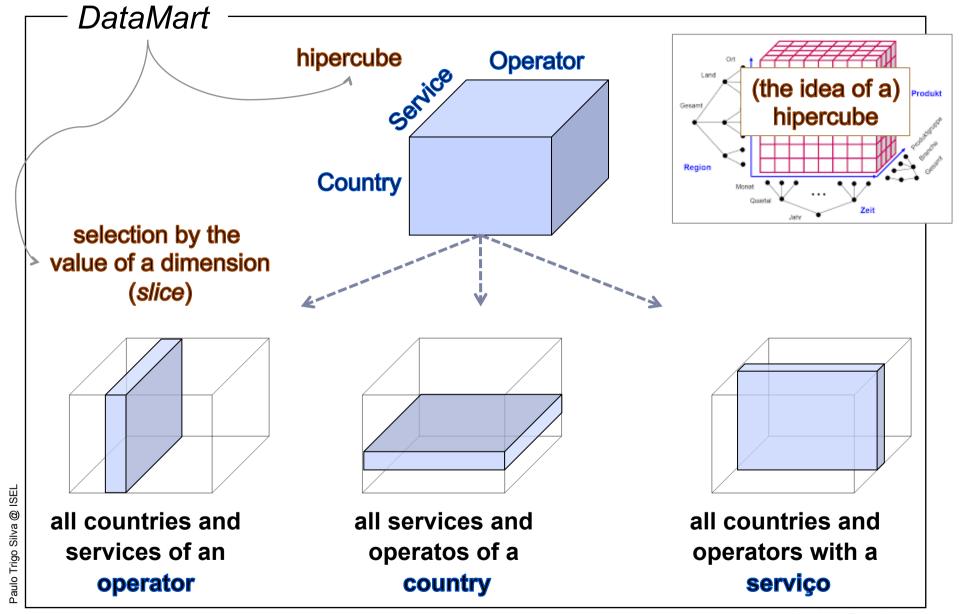


# ... the formats – different for different goals

DataBaseDataWareHouseDataMiningSEVERAL-TABLESSEVERAL-CUBESONE-TABLERelacional-SchemaData-MartDataSet

<u>query and</u> <u>manipulation</u> of data via SQL exploitation of aggregated data via MDX extraction of "tendencies" via algorithms

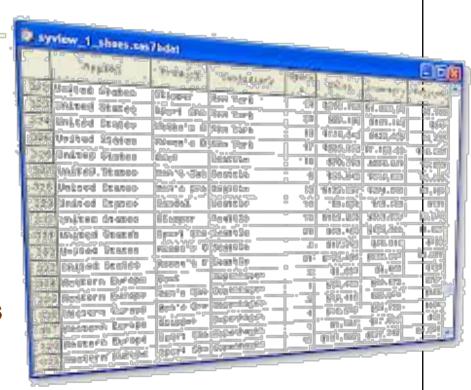




#### **DataSet**

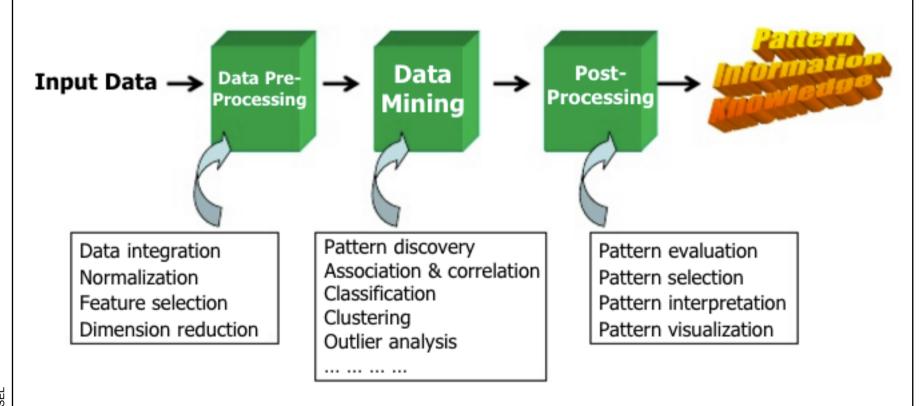
#### The data is represented as:

- a "single table", i.e., a unique and "huge" vector with D-dimensions,
- each "column" represents a characteristic ("feature") of what is intended to be analyzed,
- each "column" ("feature") has values that vary according to their type.



### Data-Mining and Business-Intelligence \ integrated view Increasing potential to support **End User** business decisions Decision Making Business **Data Presentation** Analyst Visualization Techniques **Data Mining** Data Information Discovery Analyst **Data Exploration** Statistical Summary, Querying, and Reporting Data Preprocessing/Integration, Data Warehouses DBA Data Sources Paper, Files, Web documents, Scientific experiments, Database Systems

## KDD – Knowledge Discovery in Databases \ the process



this is a view from typical machine learning and statistics communities

