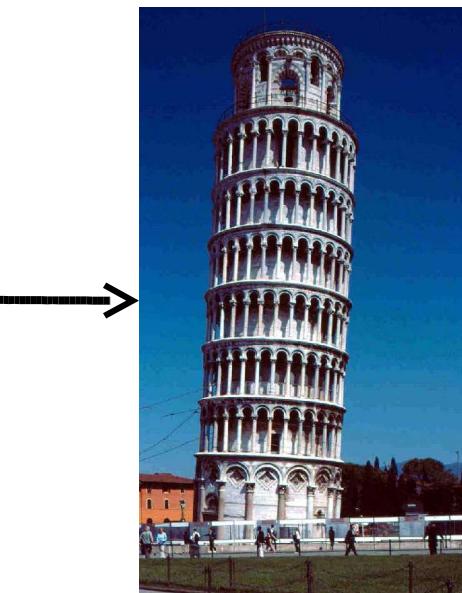


From Nancy, France to Pisa, Italia



Ontology-guided Data Preparation for Discovering Genotype-Phenotype Relationships

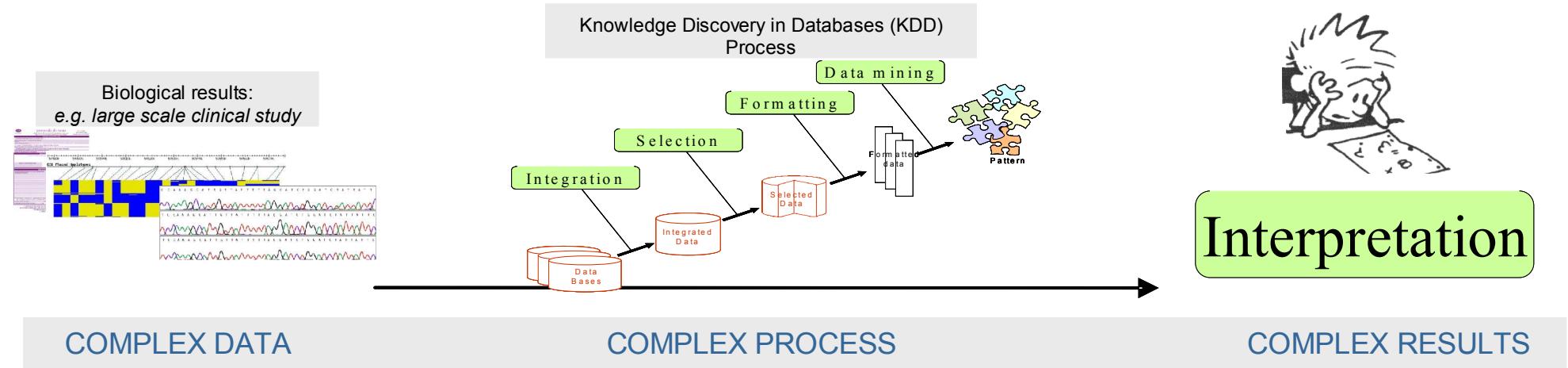
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The Problem: Limits to KDD in life sciences

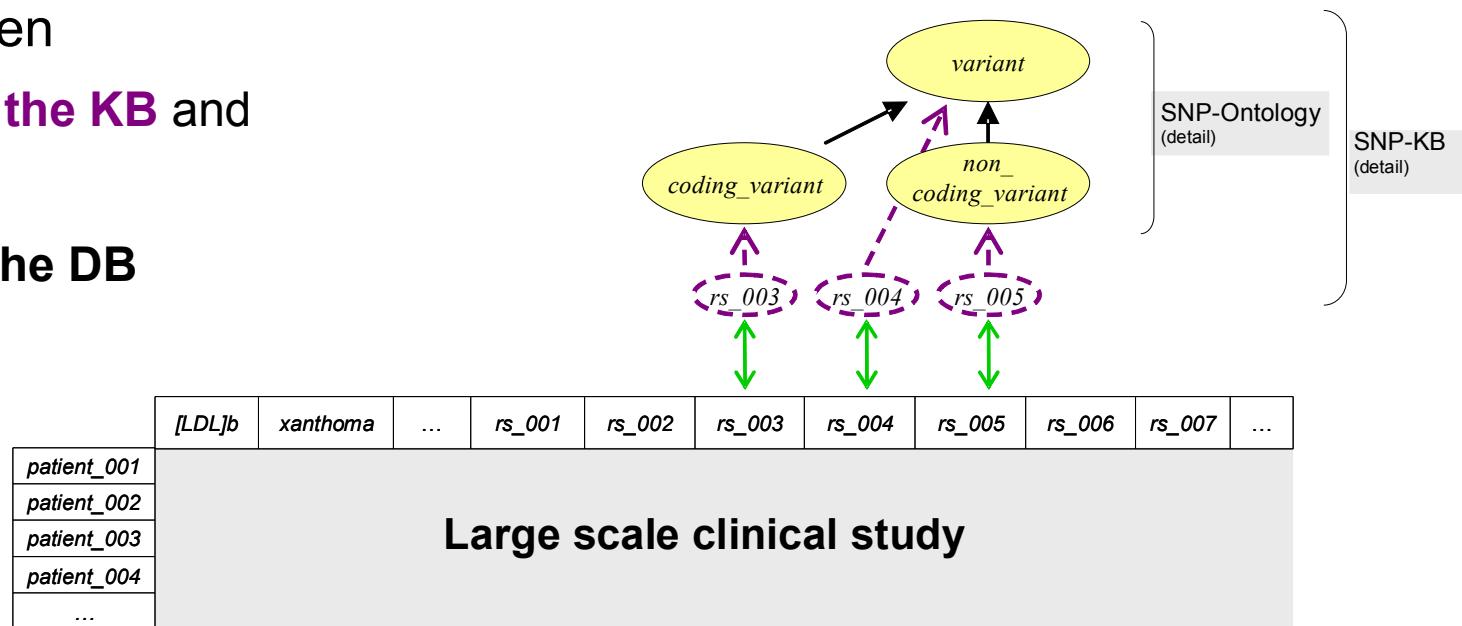


- Results of KDD in biology are complex

Proposition: Use ontologies for guiding the KDD

- 1) Build bridges between data and knowledge

- **Mapping** between
 - **assertions of the KB** and
 - **attributes of the DB**
 - **Example:**



- 2) Use knowledge in order to reduce the size of the data set
- Thanks to *subsumptions*, *object properties*, *class definitions*, etc.
 - In order to simplify the interpretation step of KDD process

For more details ...

- ...see you around the poster
- Poster n°7
- Contact: adrien.coulet@loria.fr

