

Data and Data Models

- *Data* is a **collection of values** that convey **information**
- A *data model* is a collection of high-level data description
- Different data models for different purposes
 - Ex) Alice and Bob is friend
 - ▶ First-order logic: *Friend(Alice, Bob)*

▶ Relational:

Person1	Person2
Alice	Bob
Bob	Alice

▶ Graph:

