A. Data storage in RedeR

- Group of data elements
- Data elements

Association between data elements

Nested assignments

Horizontal assignments (i.e., out-edges)

UDG

One row instance of the data structure

B. Data abstraction

- Flat network
- Hierarchical network

Ordinary representation

RedeR

C. Data encapsulation and interface

Fields:
- Tree levels
- Color
- Shape
- Etc.

Methods:
- SetAssignment(...)
- GetComponent(...)
- AddPartner(...)
- Etc.

Internal states

Outside behaviors

Interface

R/Java user

R developer