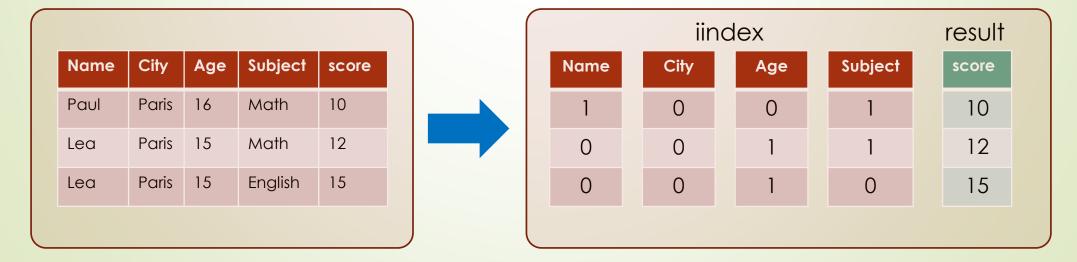
# How to convert any csv to an Xarray with chosen dimension?

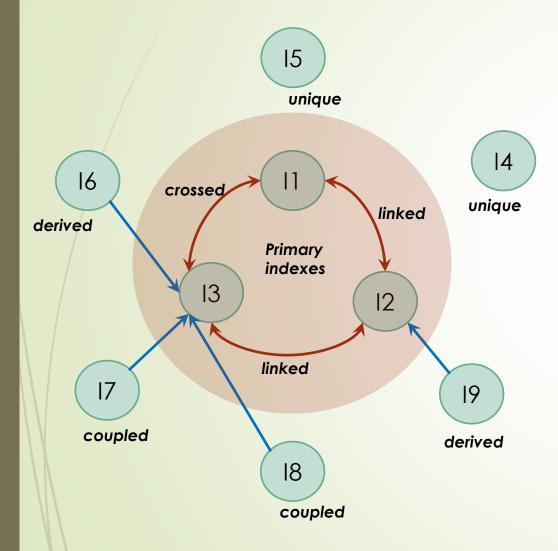
### 1 - CSV data -> Ilist data

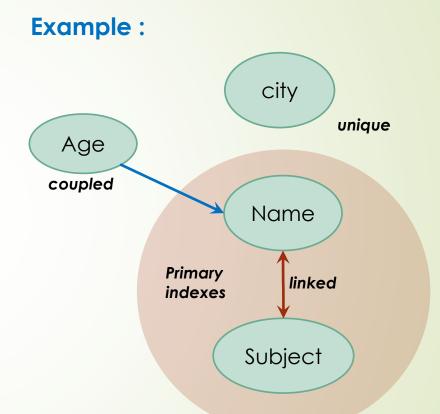


#### **Example:**



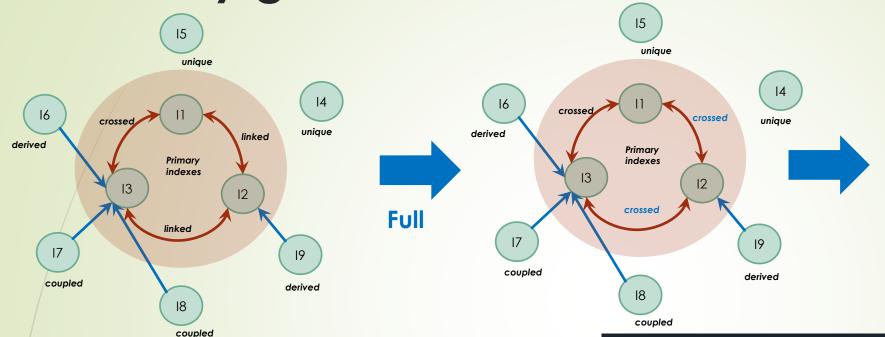
## 2 - Ilist -> Canonical format





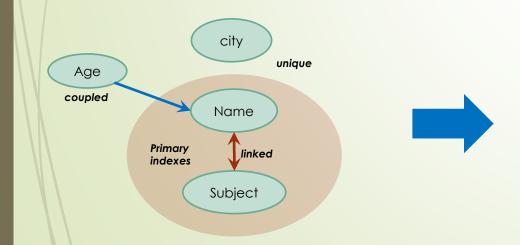
Explanation : See Appendix

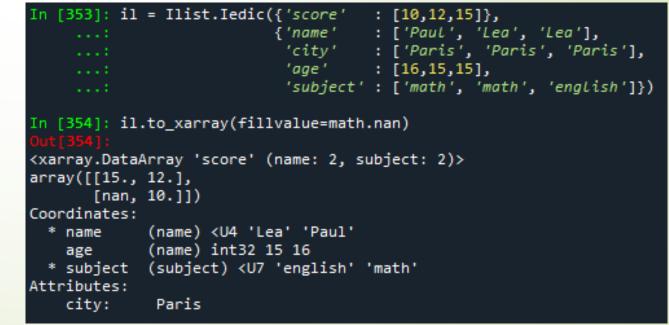
3 - Xarray generation



- Primary indexes
  - -> Xarray dims
- Derived/coupled indexes
  - -> Xarray coords
- Indexed value
  - -> Xarray data
- Unique index
  - -> Xarray attrs

#### **Example:**





# Appendix - Indexed List

https://github.com/loco-philippe/Environnemental-Sensing/blob/main/documentation/llist\_technical.pdf