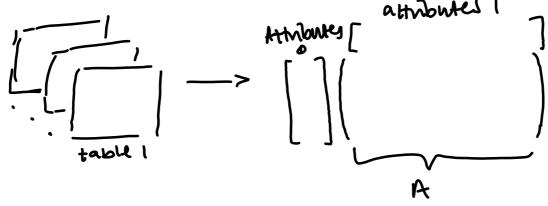
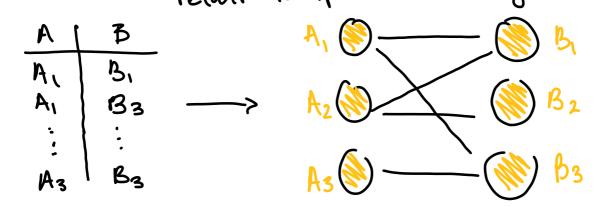
## Preprocessing functions

15 November 2023 14:16

me idea of the preprocessing functions ourl to take the data and wn it into a Matrix and two lists of attributes 1



(1) tables: list of dataframes / tables win relational intermedian Each column is about an entity. me entice in the cells are nems of that entity wim an ID. We specity which entires we want relationships between. eg



Note: if two common are being connected their is must be anight

## may wind be considered part of the same entity

(2) Relationships: list pairs of commons to connect this can take a comple of forms:

(i) list of pairs: [[·,·], .....[·,·]]

L> in this rase: the each pair of "entities, it will sench all tables and link the columns with these names.

(ii) pairs in lists of lists: [[[...]], ..., [[...]]]

table. -> specity paid of entitles for earn table. e.g.

[table 1, table 2] and [[[·,·],[·,·]],[[·,·]])

(3) dynamical: if he data is dynamic hum
It indicates which common is

the time common.

(an be one Str. if all tables have

the same name for time common

or wit of orings if they ire different

(4) juin token. when creating the globally unique names this character connects for identity have to the 1D

(1) 1 : manx of the Grouph.

(2) altributes: two with of dictionaires. Me REF is for the modes that don't change over time (rows of A). Me second is the godes that do change over time (commo of A)

Note: the internation contained about he nodes are:

name: patition name + join token + ID

partion: partion-name

time: time code (nan if not).