Types of attributes and methods of the class ObservationSet

Notation

- *O* denotes the number of observations.
- *N* denotes the number of names associated with the observations.
- + denotes public attributes and methods (i.e. exported attributes and methods).
- denotes private attributes and methods (i.e. attributes and methods not exported).

Attributes

+ data: list(named list)

\$observation1

name 1	vector
name 2	vector
•••	
name N	vector

\$observation2

name 1	vector
name 2	vector
•••	•••
name N	vector

\$observationO

name 1	vector
name 2	vector
•••	•••
name <i>N</i>	vector

+ names: vector(character)+ item_key: character+ year_key: character

Methods

+ observation.set(data: see attribute data, item_key: see attribute item_key,
year_key: see attribute year_key, names: see attribute names): ObservationSet

+ **subset(x**: ObservationSet, **indexes**: vector(numeric) or vector(logical), **keep_names**: logical):
ObservationSet

+ reorder(x: ObservationSet, permutation: vector(numeric) or vector(character)): ObservationSet

+ as(to: "data.frame"): data.frame

+ as(to: "transactions"): transactions (class from the package arules)

+ get_all_items(): vector
+ get_itemsets(): list(vector)

- + **get_items_from_info(info**: named list, **presence**: character, **additional**: vector(character)): vector or named list
- + **get_info_from_items(items**: vector, **info_names**: vector(character), **presence**: character): vector or named list
- + get_complex_obs(): ObservationSet
- + get_simple_obs(): ObservationSet
- + get_obs_from_items(items: vector, presence: character): ObservationSet
- + get_obs_from_info(info: named list, presence: character): ObservationSet
- + complexity_ratio(items: vector): named vector(numeric)
- + complexity_items(items: vector): named vector(numeric)
- + co_occurrence_matrix(items: vector): named matrix(numeric)
- + co_occurrence_chart(items: vector, min_occ: numeric, max_occ: numeric, vertex_size: numeric, vertex_alpha: numeric, vertex_margin: numeric, label_size: numeric, label_margin: numeric, edge_tension: numeric, edge_alpha: numeric, palette: character or numeric, palette_direction: numeric): ggplot2 graph
- has_temporal_data(): logical
- get_items(items: character or vector): vector

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