

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 N	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**: "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