

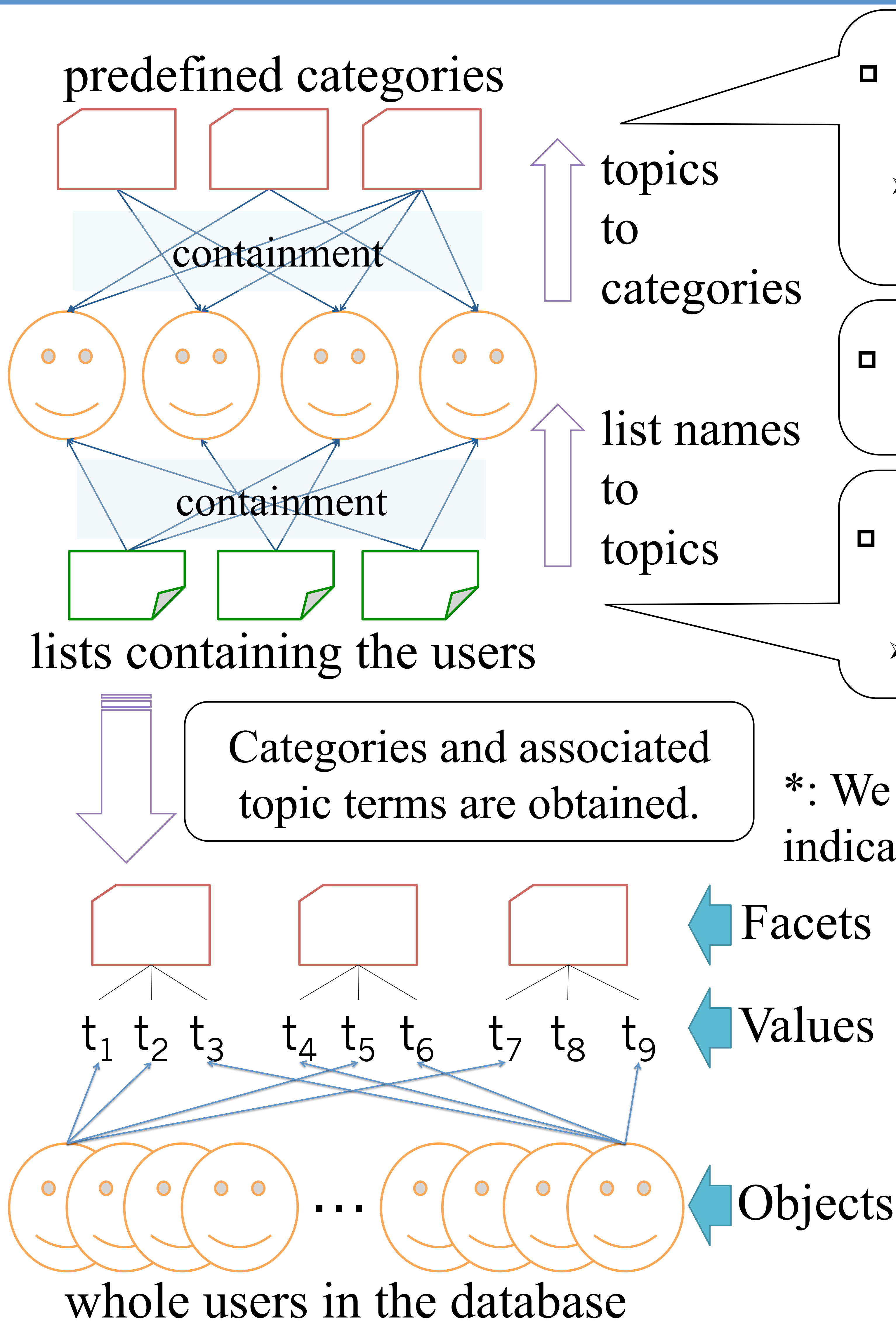
FACTUS: FACeted Twitter User Search using Twitter List

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Background and Motivation

- Twitter user search
 - Find users who post tweets related to searchers' interests.
- Problem
 - Searching Twitter users from huge number of users is troublesome.

Facets and Values of Facets



Approach

- Support **faceted navigation** (†) for Twitter user search.
- Deal with how to know topics of users.

†: Faceted navigation helps users to explore data sets via attributes, called facets.

Existing apps.: Amazon, iTunes, DBLP, etc.

- Facets are predefined categories over limited number of users.
 - We avoid widely appeared users who seem to be less related to specific categories (*).

- Values of a facet are assigned topic terms to the facet (category).

- Terms from list names are treated as topic terms of users in the list.
 - We avoid general terms to be topic terms (*).

*: We use point-wise mutual information (PMI) which indicates how one set is associated to the other set [1].



Snapshot of the interface

Reference

- [1] Y. Yamaguchi, T. Amagasa, H. Kitagawa: Tag-based User Topic Discovery Using Twitter Lists. ASONAM 2011:13-20