# FACTUS: FACeted Twitter User Search using Twitter List

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## **Background and Motivation**

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

### Approach

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

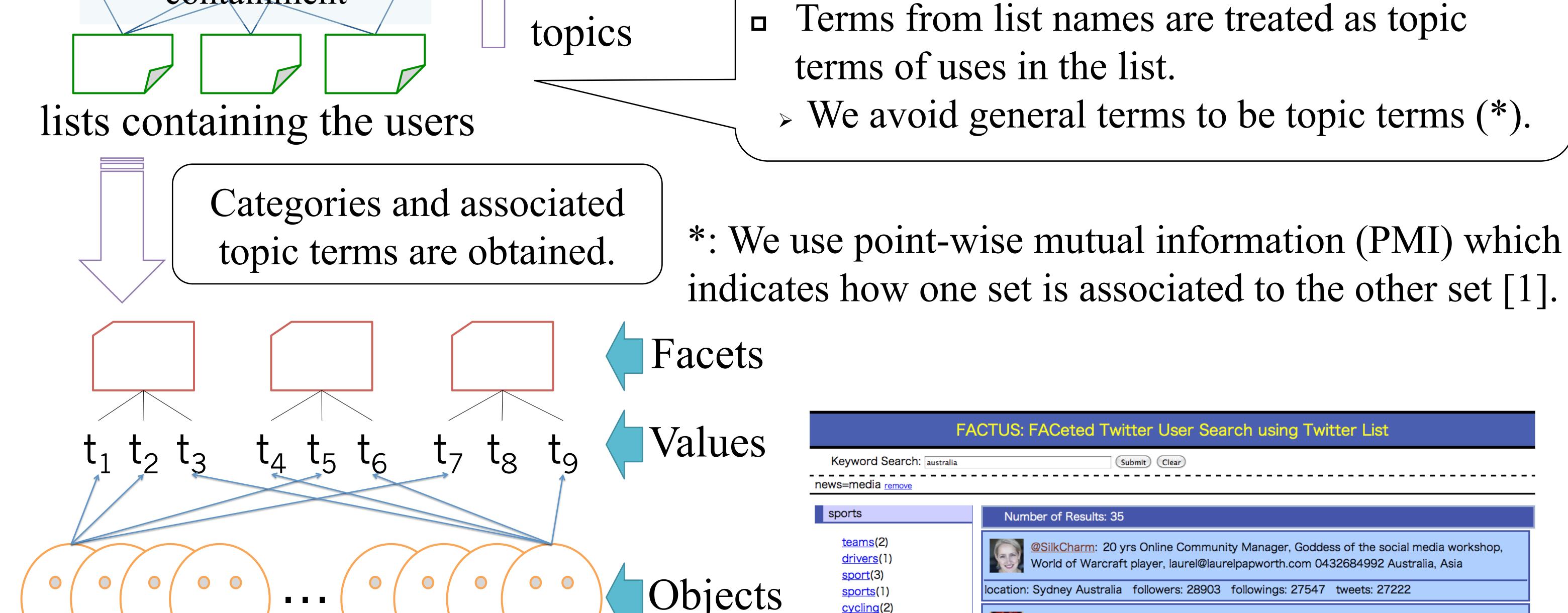
†: Faceted navigation helps users to explore data sets via attributes, called facets.Existing apps.: Amazon, iTunes, DBLP, etc.

# **Facets and Values of Facets**

 Facets are predefined categories over limited number of users.
We avoid widely appeared users who seem to

> 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).

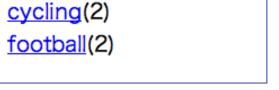


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#### whole users in the database

#### Reference

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



entertainment

famous(2)

celebrity(1)

celebrities(3)

television(1)

gamer(1)

games(1)

entertainers(1)

<u>tv</u>(1)

entertainment(2)

<u>funny(1)</u>

@soundwavefest: Soundwave Festival Australia

location: Australia followers: 16443 followings: 194 tweets: 11426

<u>@SeeAustralia</u>: For all things about Australia – where to go, what to see, what's on, – this is the one to follow.

location: Australia followers: 14924 followings: 2315 tweets: 1123



location: Brisbane & Noosa, Australia. followers: 13330 followings: 14620 tweets: 1100

Snapshot of the interface