



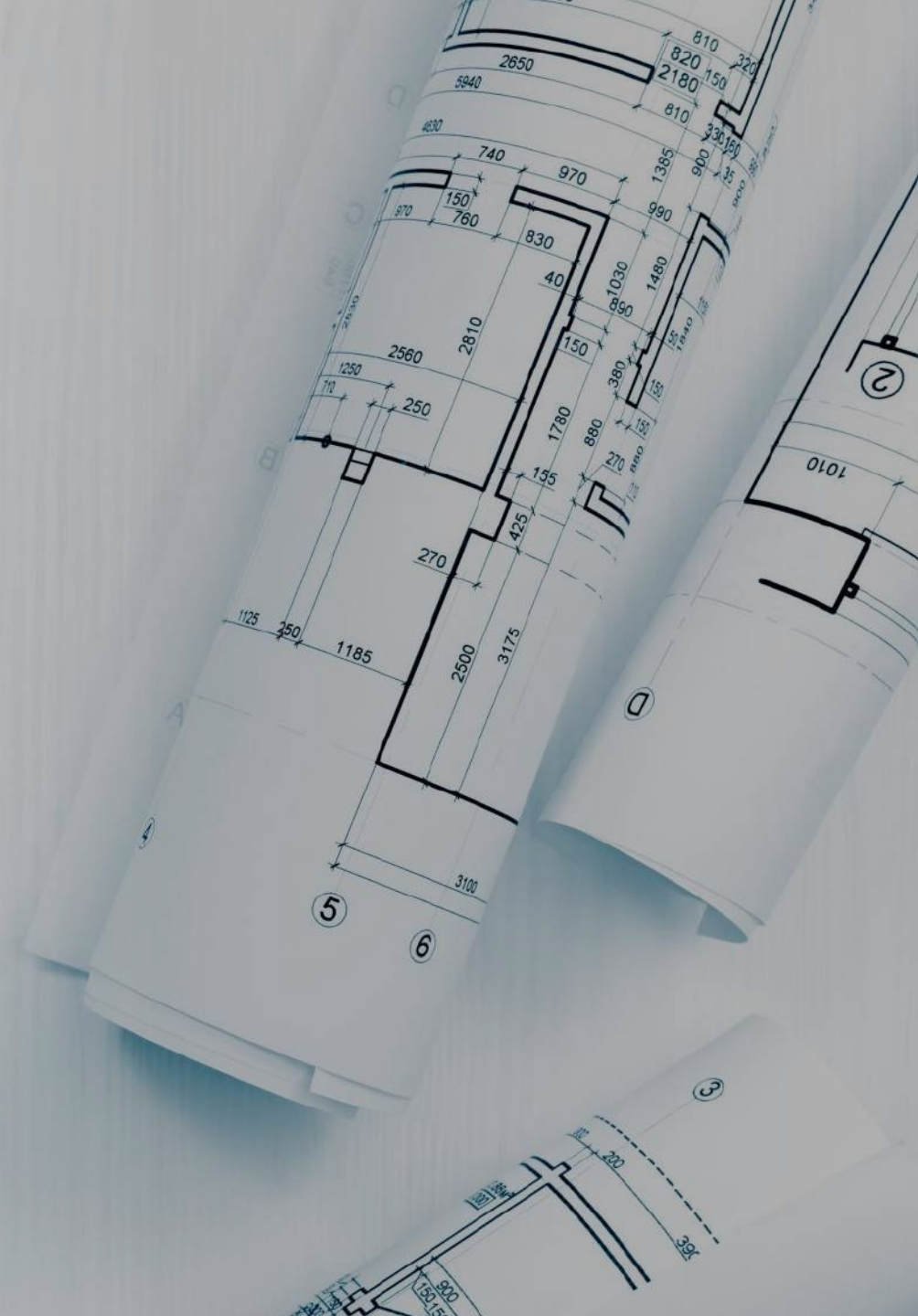
tweetsearch

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Information Retrieval 2020

Prof. Fabio Crestani

Project Design & Implementation



Technologies used



Scrapy

Solr 

Lucene

Backend



Vue.js

=



Frontend

Scrape process

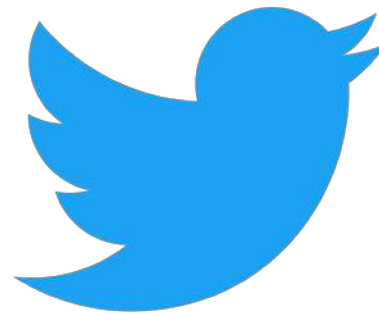


550 random words:

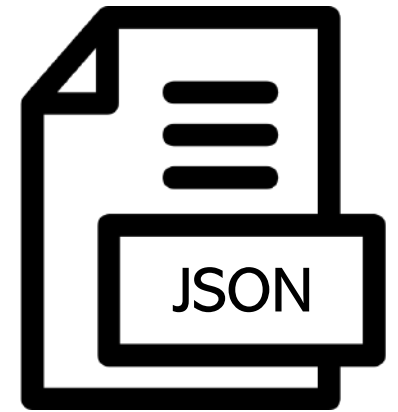
- king
- dog
- hello
- ...



Hashtag = king



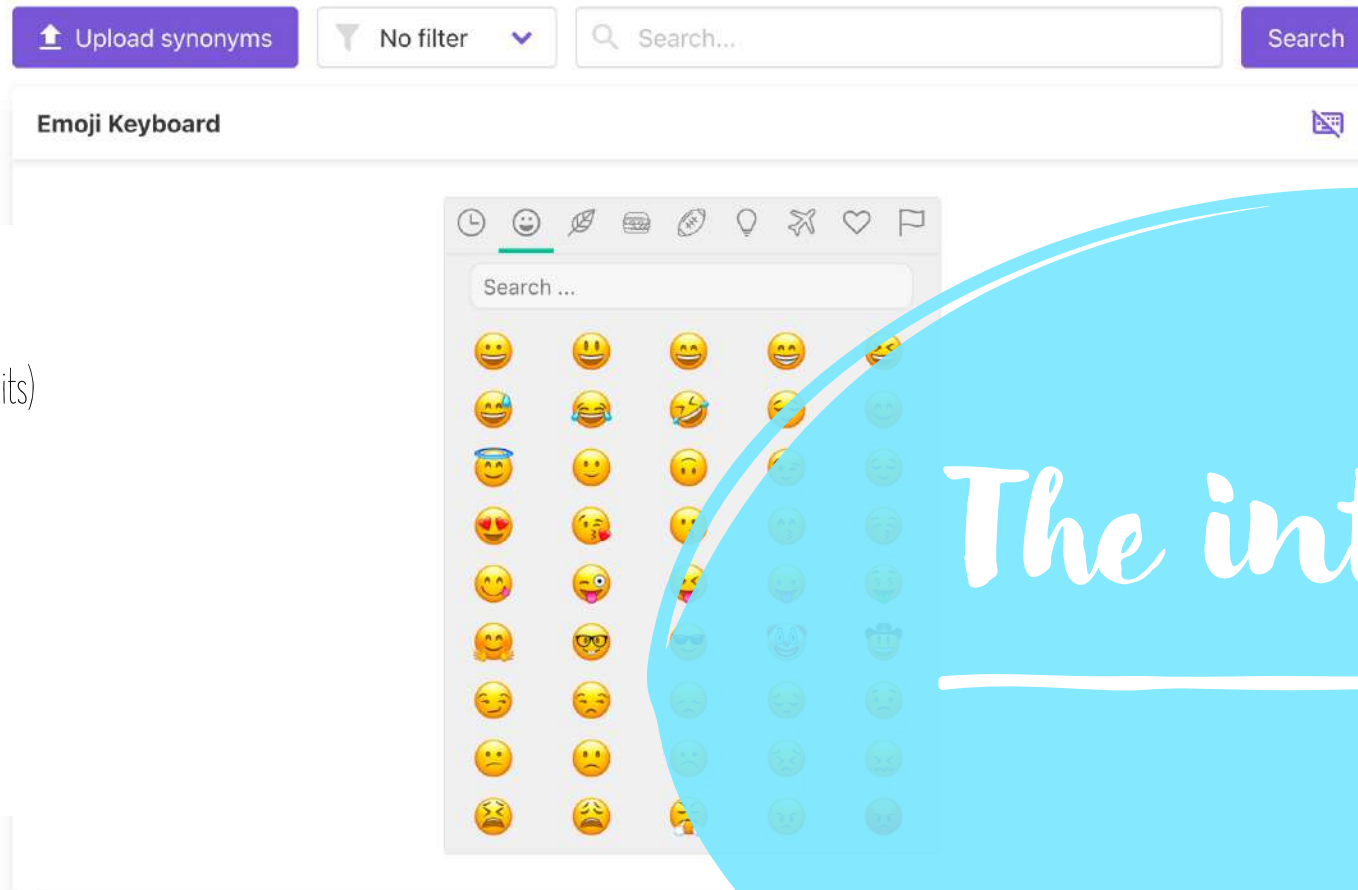
mobile version Twitter



tweets collection

final size: 10'706

☰ Menu



- Single-page web app
- Menu (search, thesaurus, credits)
- Search
- Select search filters
- ★ Upload customized thesaurus
- ★ Emoji keyboard

The interface

Upload synonyms

No filter

Search

Search

Emoji Keyboard

Statistics Box



Ameriflight

@Ameriflight

Underneath this Amarillo sky... 🎵 #sunset #airplane #avgeek Photo by: First Officer Natalie Shemigon



33

3

Oct 25

See tweet

Querying

- Username
- Full name
- Profile picture
- Content = text + metadata
- Likes
- Retweets
- Date
- URL



Download your synonyms thesaurus

hello × hi × hey × Add synonyms

Create voice

home
house

computer
machine

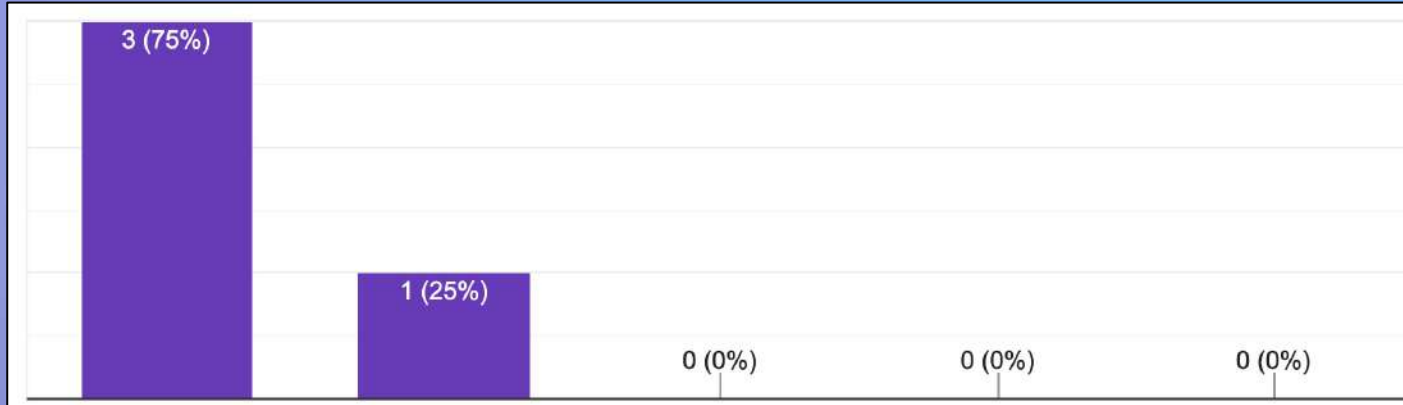
- Define synonyms
- Download

happy
happiness

Thesaurus

An illustration of a person in a dark suit standing in front of a large computer monitor. The monitor displays a web interface with a teal header bar, a main content area, and a yellow sidebar with white text. The person is pointing at the sidebar. A large yellow oval with a white border is overlaid on the left side of the image, containing the text 'User evaluation' in a white, cursive font. The background is dark with some teal and yellow accents.

*User
evaluation*

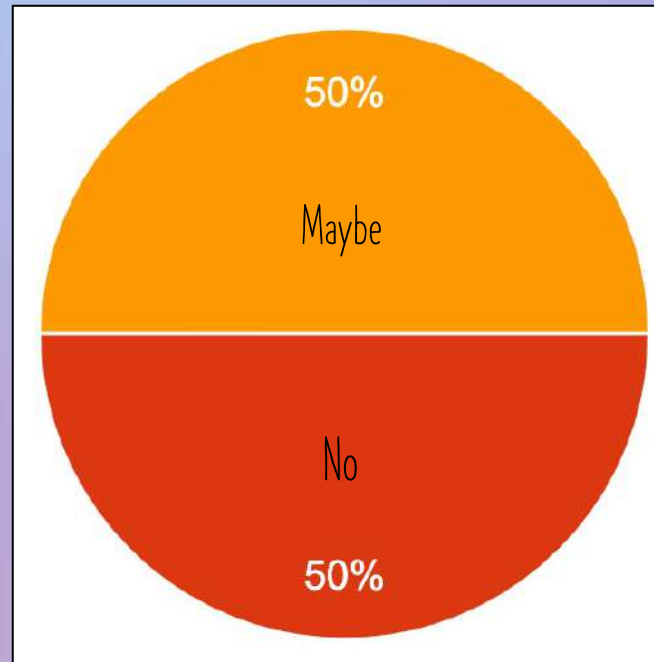


Clear and intuitive

Hard and non-intuitive

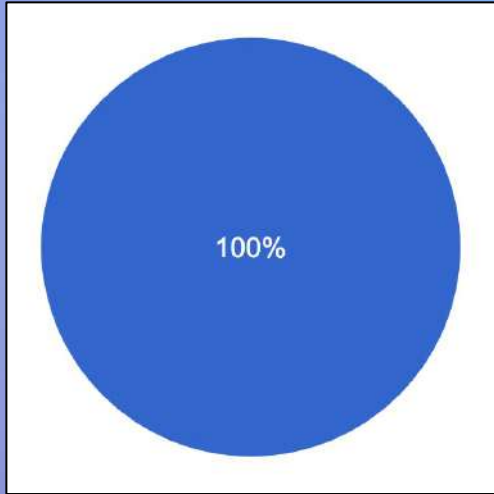
How did you find the interface?

General questions



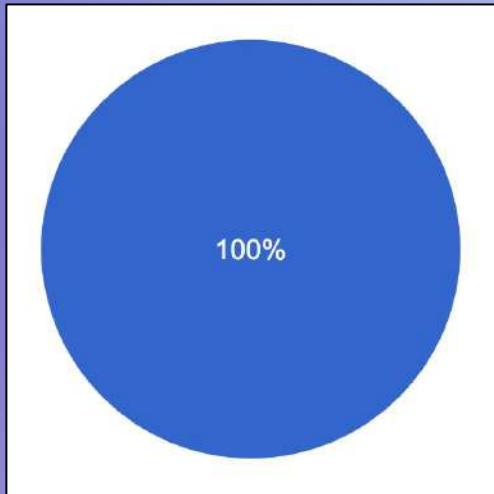
Would you use tweetsearch?

But nobody would use it... 😞



How were the results?

- Related
- Not related
- Nothing retrieved



Did you complete the task by yourself?

- Yes
- No

Task-related questions

Task-related questions

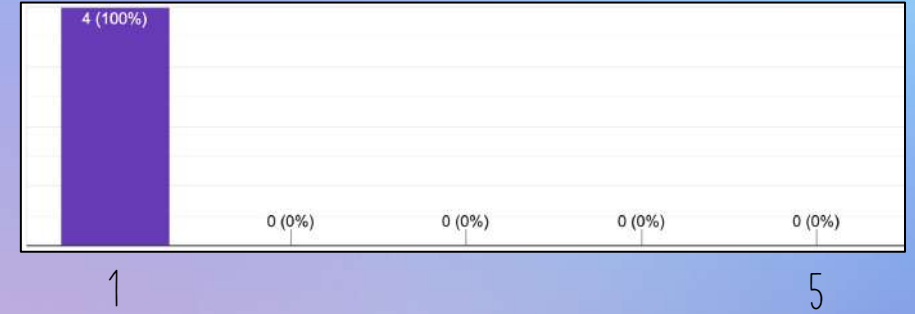
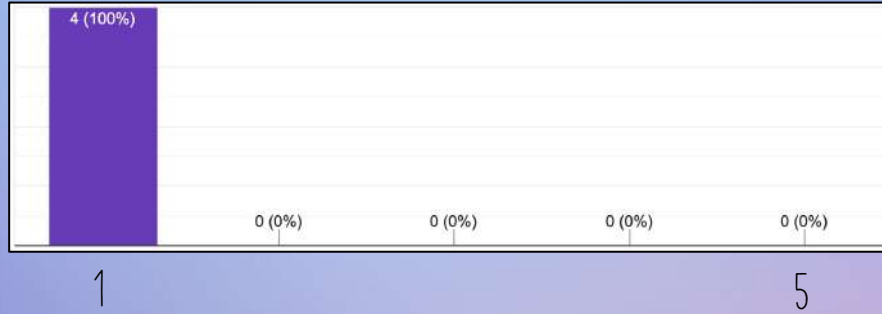
Difficulty

1 = Very easy - 5 = Impossible

Speed

1 = Very fast - 5 = Very slow

Report the number of relevant tweets
→ EASIEST



Create and use a thesaurus
→ HARDEST

