Index them all

Why and how to create a
categories-based index of articles

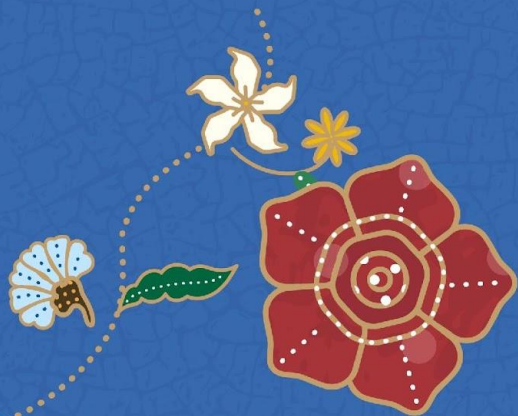**WIKIMANIA SINGAPORE** | Robert Sim/User:Robertsky
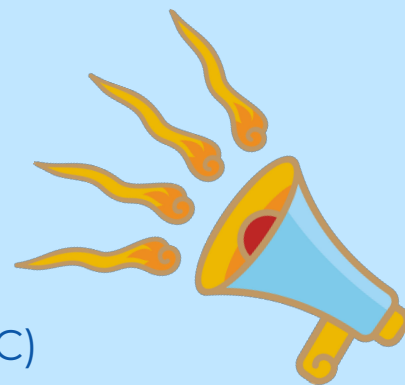
Speaker

Robert Sim (User:Robertsky)

- Home wiki: English Wikipedia

- Primary WikiProject: WikiProject Singapore

- Maintains "**Index of Singapore-related articles**" since 2019.

Saturday, August 19 (03:45-04:00 UTC)

Content

Target audience:

- Editors who wants indexes
- Editors with technical knowledge

- What is an index?
- Why create indexes?
- How to create an index?

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What is an index?

[[Wikipedia:Indexes]]

- Alphabetical list articles
- Standalone list
- List of encyclopedic articles available on Wikipedia for any broad, general topic

What is an index?

[[Wikipedia:Indexes]]

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Alphabetical list articles Standalone list

What is an index?

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List of encyclopedic articles available on Wikipedia for any broad, general topic

What is an index?

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Why create indexes?

A quick way to find if a subject article exists in context of the general topic

Fight vandalism in the general topic you know

Discovery of new articles

Why create an index?

- A quick way to find if a subject article exists in context of the general topic
- Fight vandalism in the general topic you know
- Discovery of new articles

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Why create an index?

Index of Singapore-related articles

| Makerspace | 0/0 | ^ v X |

- Law Song Seng
- Law enforcement in Singapore
- Law of Singapore
- Lawrence Ang
- Lawrence Khong

- List of Singaporean films of 2015
- List of Singaporean films of the 2010s
- List of Singaporean flags
- List of Singaporean football transfer 2022
- List of Singaporean inventions and discoveries

- **A quick way to find if a subject article exists in context of the general topic**
- Fight vandalism in the general topic you know
- Discovery of new articles

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Why create an index?

- A quick way to find if a subject article exists in context of the general topic
- **Fight vandalism in the general topic you know**
- Discovery of new articles

Why create an index?

Orphaned articles are kept at a minimum

- A quick way to find if a subject article exists in context of the general topic
- Fight vandalism in the general topic you know
- **Discovery of new articles**

Why create an index?
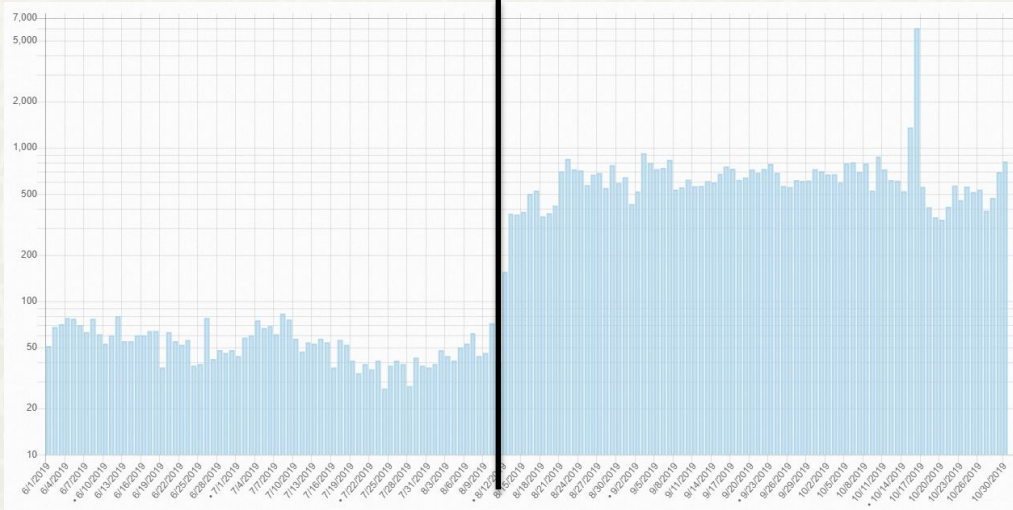
Logarithmic chart of pageviews by spiders on Index of Singapore-related articles (1 June – 30 October 2019)

- A quick way to find if a subject article exists in context of the general topic
- Fight vandalism in the general topic you know
- **Discovery of new articles**

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Issues

Maintaining an index is hard

- Time consuming
- Boring
- A lonely task
- MAXIMUM EFFORT

redundant and unmaintainable system of index articles

[[Wikipedia:Articles for deletion/Index of Abkhazia-related articles]], a discussion to delete 174 indexes

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A quick guide

Pathway to create indexes on the fly

General steps

For initial run:

Download and setup script

Get a list of categories

Run script

Manual update

Download and setup script

Prerequisites: NodeJS

Fork and clone https://github.com/robertsky/wikisglinks

In index.js:

    Edit lines 75–78 to match to the head of current index article

    Edit lines 95–102 to match to the end of the current index article

In terminal: npm ci

```javascript
75          writeFile.write("{{short description|none}}\n");
76          writeFile.write("{{use Singapore English|date=August 2019}}\n");
77          writeFile.write("{{use dmy dates|date=August 2019}}\n");
78          writeFile.write("This is a '''list of [[Singapore]]-related articles by alphabetical order'''. To learn quickly what Singapore is, see [[Outline of Singapore]]. Those interested in t
79          writeFile.write('{{alphanumeric TOC|numbers=yes|align=center}}\n\n');
80          writeFile.write('==0-9==\n')
81          writeFile.write('{{div col|colwidth=25em}}\n');
82          var headingPosition = 0;
83          outputArray.forEach((title) => {
84              const firstChar = title.charAt(0);
85              if (firstChar === headings.charAt(headingPosition)) {
86                  writeFile.write('{{div col end}}\n');
87                  writeFile.write('{{alphanumeric TOC|numbers=yes|align=center|top=yes}}\n');
88                  writeFile.write('\n==' + headings.charAt(headingPosition) + '==\n');
89                  writeFile.write('{{div col|colwidth=25em}}\n');
90                  headingPosition++;
91              }
92              writeFile.write('* [[' + title + ']]\n');
93          })
94          writeFile.write('{{div col end}}\n');
95          writeFile.write("==See also==\n\n");
96          writeFile.write("*[[Outline of Singapore]]\n");
97          writeFile.write("*[[Lists of country-related topics]] - similar lists for other countries\n");
98          writeFile.write("{{portal bar|Singapore|Cities|Islands|Asia}}\n");
99          writeFile.write("{{Index footer}}\n\n");
100         writeFile.write("{{DEFAULTSORT:Index Of Singapore-related Articles}}\n");
101         writeFile.write("[[Category:Singapore-related lists| ]]\n");
102         writeFile.write("[[Category:Indexes of topics by country|Singapore]]");
```

Download and setup script

Prerequisites: NodeJS

Fork and clone https://github.com/robertsky/wikisglinks

In index.js:

      Edit lines 75–78 to match to the head of current index article

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In terminal: npm ci

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Get a list of categories

In Wikipedia, go to the root category page, i.e. [[Category:Singapore]].

Open browser's JavaScript console, type:

```
jQuery('span.CategoryTreeToggle[data-ct-state="collapsed"]').click()
```

until satisfied to open all categories in the category tree view.

Note that there may be recursive category branch(es) or unrelated categories

Copy the category tree into **category-list.txt**

The formatted list should have just the category names, and not with the numbers of sub-categories or pages.

About Wikipedia
Contact us
Donate
Switch to old look
Contribute
Help
Learn to edit
Community portal
Recent changes
Upload file
Answer edit requests

Languages

Language links are at the top of the page across from the title.

This is a **topic category**^(→) for the topic Singapore.

Wikimedia Commons has media related to *Singapore*.

🇸🇬 Singapore portal

Tools [hide]

Actions

Purge

easy-merge

Subpages

Request CV revdel

SDlinks

Rater

General

What links here

Related changes

Special pages

Permanent link

Page information

Wikidata item

Edit interlanguage links

Expand citations

Page size

reFill 2
New!

reFill

(o)

Possible backlinks

SA Table Generator

Move history

MassMover

Run DraftCleaner

Toggle VF

Print/export

Subcategories

This category has the following 15 subcategories, out of 15 total.

*

▼ Singapore-related lists (18 C, 6 P)
  ▷ Lists of buildings and structures in Singapore (2 C, 22 P)
  ▷ Singapore communications-related lists (1 C, 2 P)
  ▷ Singaporean culture-related lists (2 C, 6 P)
  ▷ Economy of Singapore-related lists (1 C, 3 P)
  ▷ Singapore education-related lists (1 C, 4 P)
  ▷ Lists of events in Singapore (10 P)
  ▷ Singapore geography-related lists (1 C, 10 P)
  ▷ Singapore history-related lists (1 C, 5 P)
  ▷ Singapore law-related lists (1 C, 4 P)
  ▷ Singaporean military-related lists (5 P)
  ▷ Lists of organisations based in Singapore (2 C, 8 P)
  ▷ Lists of Singaporean people (2 C, 14 P)
  ▷ Singapore politics-related lists (3 C, 6 P)
  ▷ Singapore religion-related lists (1 C, 2 P)
  ▷ Singapore science-related lists (2 C)
  ▷ Singapore sport-related lists (1 C, 14 P)
  ▷ Lists of tourist attractions in Singapore (7 P)
  ▷ Singapore transport-related lists (16 P)

B

▼ Buildings and structures in Singapore (8 C, 44 P)
  ▷ Buildings and structures in Singapore by region (3 C)
  ▷ Buildings and structures in Singapore by type (25 C)
  ▷ Lists of buildings and structures in Singapore (2 C, 22 P)
  ▷ Buildings and structures under construction in Singapore (4 P)
  ▷ Former buildings and structures in Singapore (1 C)
  ▷ Proposed buildings and structures in Singapore (1 C, 1

G

▼ Geography of Singapore (15 C, 11 P)
  ▷ Singapore geography-related lists (1 C, 10 P)
  ▷ Borders of Singapore (4 C, 2 P)
  ▷ Geology of Singapore (2 P)
  ▷ Important Bird Areas of Singapore (9 P)
  ▷ Landforms of Singapore (5 C, 1 P)
  ▷ Landmarks of Singapore (3 C, 70 P)
  ▷ Military locations in Singapore (2 C)
  ▷ Natural disasters in Singapore (3 P)
  ▷ Places in Singapore (16 C, 194 P)
  ▷ Ports and harbours of Singapore (7 P, 1 F)
  ▷ Sentosa (1 C, 22 P)
  ▷ Subdivisions of Singapore (3 C, 9 P)
  ▷ Time in Singapore (1 C, 4 P)
  ▷ Urban planning in Singapore (5 C, 9 P)
  ▷ Singapore geography stubs (209 P)

▼ Government of Singapore (10 C, 9 P)
  ▷ Executive branch of the government of Singapore (9 C, 21 P)
  ▷ Judiciary of Singapore (3 C, 7 P)
  ▷ Legislative branch of the Singapore Government (4 C, 4 P)
  ▷ British rule in Singapore (7 C, 47 P)
  ▷ Emergency management in Singapore (1 C)
  ▷ Singapore government policies (3 C, 37 P)
  ▷ Law of Singapore (13 C, 4 P)
  ▷ Military of Singapore (19 C, 25 P, 14 F)
  ▷ Political office-holders in Singapore (7 C, 3 P)
  ▷ Public finance of Singapore (3 C, 1 P)

H

(Browser Developer Console)

Elements | Console | Sources

45 | 3 | 1 | 3 hidden

2 Issues: 1 | 1

top | Filter | Default levels | 3 hidden

☐ Hide network   ☐ Log XMLHttpRequests
☐ Preserve log   ☑ Eager evaluation
☐ Selected context only ☑ Autocomplete from history
☑ Group similar messages in console ☑ Treat code evaluation as user action
☑ Show CORS errors in console

⚠ ▶ [Deprecation] Listener added load.php?lang=en&mod..22&version=1b875:77 for a synchronous 'DOMNodeInserted' DOM Mutation Event. This event type is deprecated (https://w3c.github.io/uievents/#legacy-event-types) and work is underway to remove it from this browser. Usage of this event listener will cause performance issues today, and represents a risk of future incompatibility. Consider using MutationObserver instead.

⚠ DevTools failed to load source map: Could not load content for chrome-extension://ggdonefhigjoocdbalmhohmohjngdnfn/assets/js/browser-polyfill.js.map: System error: net::ERR_BLOCKED_BY_CLIENT

⚠ DevTools failed to load source map: Could not load content for chrome-extension://ggdonefhigjoocdbalmhohmohjngdnfn/assets/js/webcomponents-bundle.js.map: System error: net::ERR_BLOCKED_BY_CLIENT

⚠ DevTools failed to load source map: Could not load content for chrome-extension://mooikfkahbdckldjjndioackbalphokd/assets/atoms.js: System error: net::ERR_BLOCKED_BY_CLIENT

⚠ DevTools failed to load source map: Could not load content for chrome-extension://mooikfkahbdckldjjndioackbalphokd/assets/polyfills.js: System error: net::ERR_BLOCKED_BY_CLIENT

⚠ DevTools failed to load source map: Could not load content for chrome-extension://mooikfkahbdckldjjndioackbalphokd/assets/playback.js: System error: net::ERR_BLOCKED_BY_CLIENT

⚠ DevTools failed to load source map: Could not load content for chrome-extension://mooikfkahbdckldjjndioackbalphokd/assets/record.js: System error: net::ERR_BLOCKED_BY_CLIENT

⚠ DevTools failed to load source map: Could not load content for chrome-extension://mooikfkahbdckldjjndioackbalphokd/assets/escape.js: System error: net::ERR_BLOCKED_BY_CLIENT

▶ 45 Unchecked runtime.lastError: Could not establish connection. Receiving end does not exist.

> jQuery('span.CategoryTreeToggle[data-ct-state="collapsed"]')
< jQuery.fn.init(15) [
  span.CategoryTreeToggle.CategoryTreeToggleHandlerAttached,
  span.CategoryTreeToggle.CategoryTreeToggleHandlerAttached,
  span.CategoryTreeToggle.CategoryTreeToggleHandlerAttached,
  span.CategoryTreeToggle.CategoryTreeToggleHandlerAttached,
  span.CategoryTreeToggle.CategoryTreeToggleHandlerAttached,
  span.CategoryTreeToggle.CategoryTreeToggleHandlerAttached,
  ▶ span.CategoryTreeToggle.CategoryTreeToggleHandlerAttached,
  span.CategoryTreeToggle.CategoryTreeToggleHandlerAttached,
  span.CategoryTreeToggle.CategoryTreeToggleHandlerAttached,
  span.CategoryTreeToggle.CategoryTreeToggleHandlerAttached,
  span.CategoryTreeToggle.CategoryTreeToggleHandlerAttached,
  span.CategoryTreeToggle.CategoryTreeToggleHandlerAttached,
  span.CategoryTreeToggle.CategoryTreeToggleHandlerAttached, prevObject: jQuery.fn.init(1)]

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```
category-list.txt                    ×

  1    1820 establishments in Singapore
  2    1820s establishments in Singapore
  3    1823 establishments in Singapore
  4    1823 in Singapore
  5    1824 establishments in Singapore
  6    1827 establishments in Singapore
  7    1829 establishments in Singapore
  8    1841 establishments in Singapore
  9    1845 in Singapore
 10    1846 establishments in Singapore
 11    1849 establishments in Singapore
 12    1850s establishments in Singapore
 13    1850s in Singapore
 14    1858 establishments in Singapore
 15    1858 in Singapore
 16    1861 establishments in Singapore
 17    1862 disestablishments in Singapore
 18    1862 establishments in Singapore
 19    1862 in Singapore
 20    1865 establishments in Singapore
 21    1872 in Singapore
 22    1874 establishments in Singapore
 23    1876 establishments in Singapore
 24    1879 establishments in Singapore
 25    1883 establishments in Singapore
 26    1883 in Singapore
 27    1887 establishments in Singapore
 28    1888 establishments in Singapore
 29    1888 in Singapore
```

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Run script

In terminal, run **node index.js**

Copy out the compiled text from pages3.txt into the index article.

General steps

For subsequent runs

Monitor changes in categories, i.e. with [[**User:AlexNewArtBot/SingaporeSearchResult**]]

Run script

What's next?

- Collaborative web app with graphical process flow

- Templating the generated index output

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