

Quarterly review

Discovery

Q1 - 2016/17

Approximate team size during this quarter: 14 FTE

Time spent: strengthen 40%, focus 30%, experiment 30%

Key performance indicators

User engagement <i>(clickthrough rate, augmented)</i>	Start Q1: 38%	End Q1: 38%	YoY: +164% <i>(see appendix)</i>
Zero Results Rate	Start Q1: 23%	End Q1: 24%	YoY: -27%

Q1 - Discovery

Objective	Measure of success	Status
<p>Improve search result relevance and enable fixes for multiple relevance issues by switching from tf-idf to BM25 <i>Team members involved: 6</i></p>	<ul style="list-style-type: none">● BM25 is the default relevance algorithm across all languages and projects● No increase in zero results rate or decrease in search user engagement rate	<p>The complete switch-over to BM25 will occur in early Q2, but quite a bit of testing and experimentation was completed in Q1: we developed and released query language detection (TextCat demo) and created Discernatron to score search results relevance.</p>

There was a slight decrease of user engagement and corresponding slight increase of zero results rate this quarter. We feel that it was due to school vacation during the first two months of the quarter and then school starting back up again in September.

Search query language detection and results sample:

The user is on enwiki but their query was typed in Russian



WIKIPEDIA
The Free Encyclopedia

Main page
Contents
Featured content
Current events
Random article
Donate to Wikipedia
Wikipedia store

Interaction
Help
About Wikipedia
Community portal
Recent changes
Contact page

Tools
Upload file
Special pages
Printable version

Languages 

DTankersley (WMF) 5 3 Talk Sandbox Preferences Beta Watchlist Contributions Log out

Special page

Search results Help

[Content pages](#) [Multimedia](#) [Everything](#) [Advanced](#)

You may create the page "[Первым экспериментом](#)".

There were no results matching the query in this site.
Showing results from [Russian Wikipedia](#).

[UA1](#) (redirect from [Эксперимент UA-1](#))
Симона ван дер Меера в 1984 г. Также этот эксперимент считается **первым экспериментом** в «Подземной зоне» ЦЕРНа, то есть проходившим под землей вне двух
2 KB (115 words) - 23:07, 15 December 2014

[Заглавная страница](#)
нескольких поколений и входил в многочисленные сборники. Игра является **первым экспериментом** Sonic Team по созданию трёхмерного платформера: в то время, как уровни
8 KB (12 words) - 10:50, 18 January 2016

[Cincinnati Time Store](#)
1827 года по май 1830 года. Считается **первым** вариантом использования векселей для оплаты труда и **первым экспериментом** в мютюэлизме.
Магазин был открыт

Discernatron!

A new tool that was gamified to encourage users to score the relevance of results returned from 4 different search engines, using real queries entered on Wikipedia.

The screenshot shows a web browser window with the URL `192.168.33.10/query/id/3`. The page title is "Discernatron!". The interface is dark-themed with a green background for the main content area. At the top right, it says "Signed in".

The main content area features a search bar with the query "zambiasi" and a large number "30" indicating the number of cards left in the deck. Below the search bar are several interactive options: "Search this query", "Skip this query", "Switch to classic", and a "Submit scores" button. A note below the button says "Score at least 24 more cards to submit this query."

There are four columns of cards for ranking. The first column is titled "Irrelevant" and contains the text: "Results that are not relevant to the query." The second column is titled "Maybe Relevant" and contains: "Undesirable results that have some relationship to the query." The third column is titled "Probably Relevant" and contains a card for "Ticats" with the text: "Ivor Wynne Stadium (formerly Civic Stadium) was a Canadian football stadium located at the corner of Balsam and Beechwood Avenues, two blocks west of Gage Avenue ...". The fourth column is titled "Relevant" and contains: "A result is Relevant if you would expect to find it in the top 5 results for a query. Use this ranking sparingly."

Q1 - Discovery

Objective: Plan for cross-project indices



Objective	Measure of success	Status
<p>Evaluate and devise plan for using cross-project indices, which would allow users to search across all projects in any given language</p> <p><i>Team members involved: 5</i></p>	<ul style="list-style-type: none">Plan generated for switching to using cross-project indices, with rough estimates of complexity, time, and resources involved	<p>We engaged the community on several occasions to ensure our planned goals and methods for implementing the cross-project search results are in line with what is expected and desired.</p>

[Request for Comment](#) and [Design Approach](#) pages on MediaWiki.

Q2 will begin with finalizing the page design, then we will begin prototyping and testing of the new cross-project indices along with a general update of the search results page to be more user friendly and informative.

New page layout for search results:

Sample image displaying the addition of cross-project results and an updated page layout



WIKIPEDIA
The Free Encyclopedia

- Main page
- Contents
- Featured content
- Current events
- Random article
- Donate to Wikipedia
- Wikipedia store

- Interaction
 - Help
 - About Wikipedia
 - Community portal
 - Recent changes
 - Contact page

- Tools
 - Upload file
 - Special pages
 - Printable version

Languages

Special page

~pants

Search results

Help

~pants

Search

1200 Results (24 pages)

[Trousers](#) (redirect from [Pairs of pants](#))



Undergarment. For the object in topology, **see** [Pair of pants](#) (mathematics). **Trousers** (pants in **North America**) are an item of clothing **worn from the ...**
5,672 words • 03:41, 7 September 2016

[Sweatpants](#) (redirect from [Sweat Pants](#))



categories of athletic pants. These variations **include** fashion **pants**, windpants, tearaway **pants**, and muscle pants. **Fashion** pants typically refers to "fashion ..."
5,672 words • 03:41, 7 September 2016

[Capri pants](#)



pants (also known as Three quarter **pants**, capris, **crop pants**, pedal pushers, clam-diggers, flood **pants**, jams, highwaters, culottes, or **toreador pants**) ...
5,672 words • 03:41, 7 September 2016

[Phat pants](#)

Phat **pants**, phatties, or phats are a style of **pants** that are fitted at the waist, but get increasingly wide down the legs, covering the feet entirely due ...
5,672 words • 03:41, 7 September 2016 •

[Fancy pants](#)

Fancy **pants** may refer to: Fancypants, a 2011 comedy/drama film **Fancy Pants** (film), a 1950 comedy film "**Fancy Pants**" (The Angry Beavers), an episode of ...
5,672 words • update 03:41, 7 September 2016 •

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5,672 words • updated: 03:41, 7 September 2016 •

Search results from Wikipedia sister projects

[wiktionary.org](#)

[pants](#)

See also: **-pants** (UK, US) IPA(key): /ˈpænts/ Rhymes: -ents Shortened from pantaloons ("trousers")...

[wikivoyage.org](#)

[Urban backpacking](#)

or Gothic cathedrals require visitors to wear **pants**. Sleeved shirt. Along the same vein as long **pants**, cathedrals and temples may not allow entry if ...

[wikiversity.org](#)

[Introduction to the Dutch language/ Lesson 1 - 6 Quiz](#)

A shirt A dress Pants Long **Pants** A skirt

[wikiquote.org](#)

[The Sisterhood of the Traveling Pants](#)

The Sisterhood of the Traveling **Pants** is a series of novels written by Ann Brashares. They chronicle the summers of four teenage girls who share a pair

[commons.wikimedia.org](#)



Q1 - Discovery

Objective: Maplink and mapframe

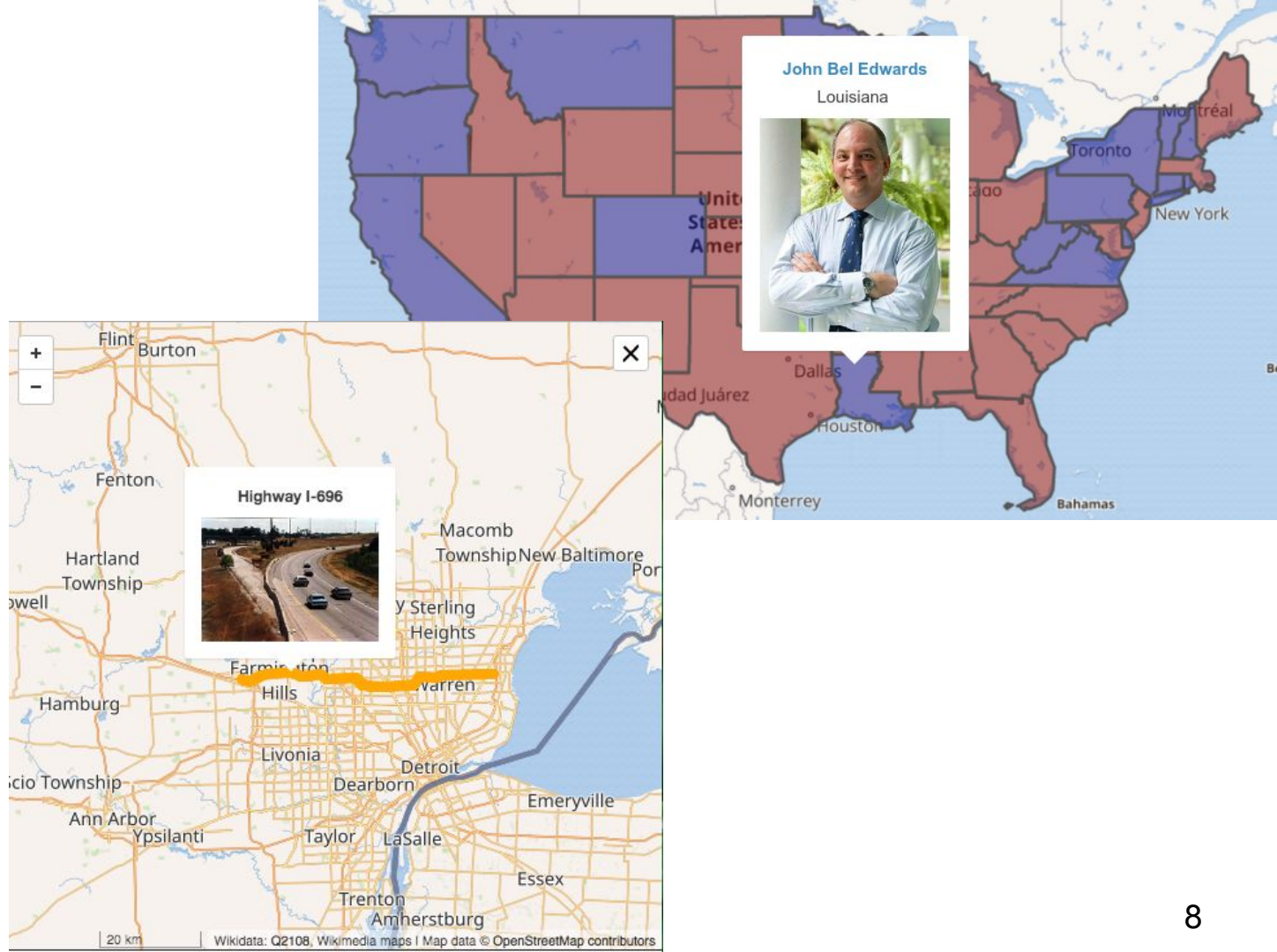


Objective	Measure of success	Status
<p>Make maplink tag available for all projects, and mapframe available everywhere except Wikipedia</p> <p><i>Team members involved: 4</i></p>	<ul style="list-style-type: none">● Maplink available on all projects● Mapframe available everywhere except Wikipedia	<p>In addition, we also added a <i>geoshapes</i> service—the ability to draw outlines of regions, cities, states, and countries along with lines for things such as rivers and highways.</p>

We also had help from Chris K in community contacts and information sharing.

Maps, now with metadata:

Metadata retrieved from Wikidata Query Service (WDQS) using complex queries, can now be displayed on top of a map.



Q1 - Discovery

Objective: Offer a Geohack replacement



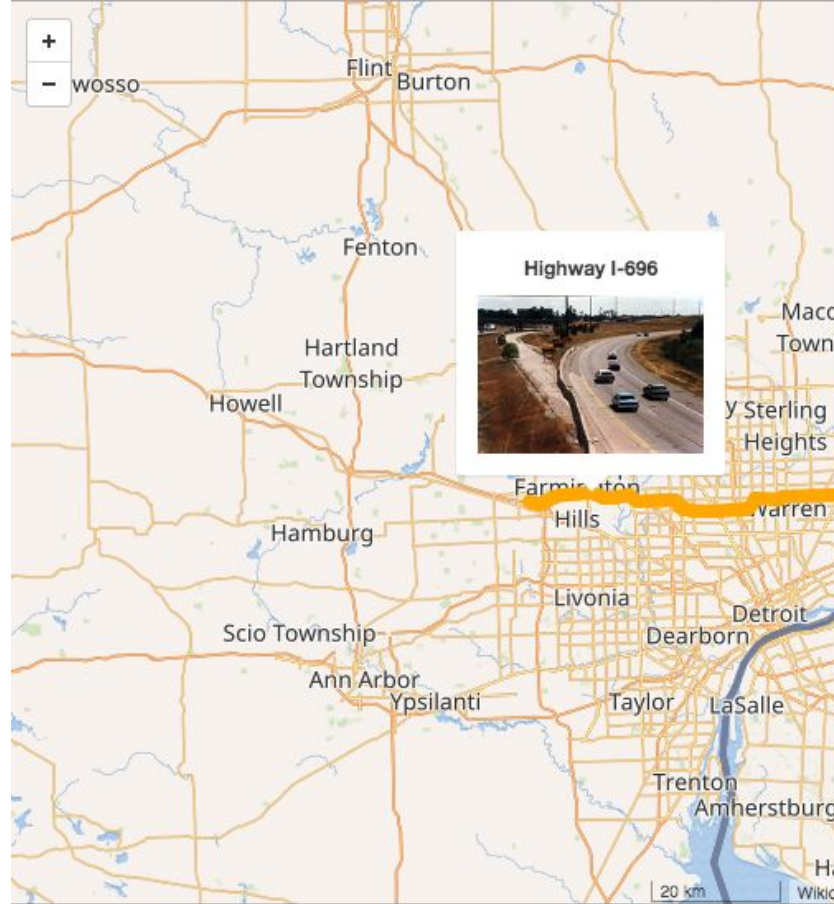
Objective	Measure of success	Status
<p>Offer community a way to migrate away from GeoHack <i>Team members involved: 3</i></p>	<ul style="list-style-type: none">● Implement a Special page (for legacy browsers) that allows users to migrate away from Geohack● Extend maplink with configurable links to other mapping services information tab	<p>We have implemented the new full screen “More details” button that allows users to browse the map using their favorite external mapping services. Legacy browsers support uses a special page.</p>

This goal was released into production during early October 2016 and we’re continuing to improve it, based on community feedback. The goals for Map-related features have seen frequent delays due to bottlenecks around having only one dedicated frontend developer.

Map details:

Clicking the 'more details' button at the bottom of each map that is displayed, will allow users to browse the map using their favorite external map service.

This is a new optional treatment for maps, rather than using the legacy Geohack functionality.



Map details

Coordinates 42.4863, -83.1912

View this location in one of the services listed below. You can filter the list by map type:

Map

External services

Service	
Bing Maps	Map
Google Maps	Map
OpenStreetMap	Map
ACME Mapper	Map
Apple Maps	Map
HERE	Map
MapQuest	Map
Waze	Map
Wikimapia	Map
WikiMiniAtlas	Map

Interstate Highway I-696

[More details](#)

Q1 - Discovery

Objective: Improve www.wikipedia.org



Objective	Measure of success	Status
<p>Make the wikipedia.org portal a jumping off point to explore open content on Wikimedia sites</p> <p><i>Team members involved: 2</i></p>	<ul style="list-style-type: none">● Finish running A/B tests that were started in Q4 2015-16 to decrease bounce rate whilst increasing clickthrough● Graduate success A/B tests to production● Graduate translated sister project descriptive text to production● Frequently update article statistics	<p>All tests were completed and released to production in Q1.</p> <p>We also began implementation of localizing the portal page by requesting translations for all text on the page (which is currently only in English) and a method to release those updates on a regular basis.</p>

The Portal team will take a short hiatus from active work on the portal page until Q3, but will continue to do maintenance for article statistics, translations, and other small updates. Also, a new, long term test will run in Q2 which will add informative links to Wikipedia mobile apps.

Wikipedia.org portal page:

Updated for overall flow and design with the addition of descriptive text for sister projects.

Watch a short video highlighting some of the major updates that were released in Q1 [here](#).

The screenshot shows the Wikipedia.org portal page. At the top, the Wikipedia logo is displayed with the tagline "A enciclopèdia lliure". Below the logo, there are several language options, each with a count of articles or items:

- Português**: 930 000+ artigos
- English**: 5 209 000+ articles
- Русский**: 1 332 000+ статей
- 日本語**: 1 025 000+ 記事
- Español**: 1 273 000+ artículos
- Deutsch**: 1 965 000+ Artikel
- Français**: 1 779 000+ articles
- Italiano**: 1 293 000+ voci
- 中文**: 892 000+ 條目
- Polski**: 1 178 000+ hasel

In the center, there is a globe made of puzzle pieces with various characters and symbols. Below the globe, there is a search bar with a dropdown menu set to "PT" and a search icon. Below the search bar, there is a link to "Read in your language" with a dropdown arrow.

At the bottom of the page, there is a grid of sister projects, each with an icon and a brief description:

- Wikipedia**: Wikipedia is hosted by the Wikimedia Foundation, a non-profit organization that also hosts a range of other projects. [Terms of Use](#) [Privacy Policy](#)
- Commons**: Freely usable photos & more
- Wikivoyage**: Free travel guide
- Wiktionary**: Free dictionary
- Wikibooks**: Free textbooks
- Wikinews**: Free news source
- Wikidata**: Free knowledge base
- Wikiversity**: Free course materials
- Wikiquote**: Free quote compendium
- MediaWiki**: Free & open wiki application
- Wikisource**: Free library
- Wikispecies**: Free species directory
- Meta-Wiki**: Community coordination & documentation

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Q1 - Discovery

Category	Workflow	Comments	Type
Staffing and hiring	Engineering Manager	Candidate accepted offer and will start in early October 2016.	N
	Senior UX Designer	Currently working on job description, expected to re-open October 2016.	R

Type: new, reactive, maintenance

Q1 - Discovery

Appendix: User Engagement Graph

User engagement is average of clickthrough rate and % of search sessions lasting more than 10s

The +164% increase of user engagement (red) is caused in part by increase in clickthrough rate (green) but especially by % of sessions lasting more than 10s (blue)

