

# From the bottom of the wiki hole

Peter D Smits

Committee on Evolutionary Biology, University of Chicago

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or...



oh god how did this get in here I am not good with computers

What?



**WIKIPEDIA**  
*The Free Encyclopedia*

# How many?



**WIKIPEDIA**  
The Free Encyclopedia

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Wikimedia Shop

▶ Interaction

▶ Tools

▼ Languages



Special page

## Statistics

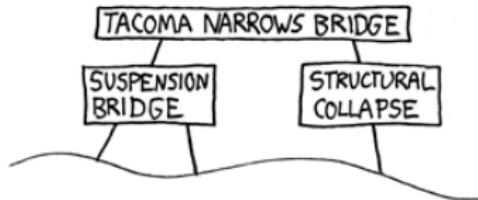
Page statistics	
Content pages	4,471,031
Pages	32,424,589
(All pages in the wiki, including talk pages, redirects, etc.)	
Uploaded files	827,045
Edit statistics	
Page edits since Wikipedia was set up	698,636,135
Average edits per page	21.55
User statistics	
Registered users	20,922,890
Active registered users (list of members)	130,755
(Users who have performed an action in the last 30 days)	
Bots (list of members)	738
Administrators (list of members)	1,416
Bureaucrats (list of members)	36
Reviewers (list of members)	6,063
Autochecked users (list of members)	5
Stewards (list of members)	0
Account creators (list of members)	174
Importers (list of members)	2
Transwiki importers (list of members)	0

# Who?

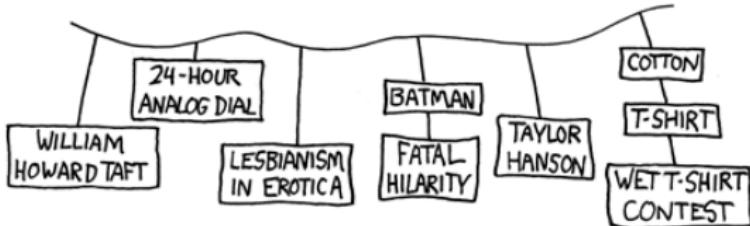


# Problems? In my wiki?

## THE PROBLEM WITH WIKIPEDIA:



[THREE HOURS OF]  
FASCINATED CLICKING



# Oh no pigeons

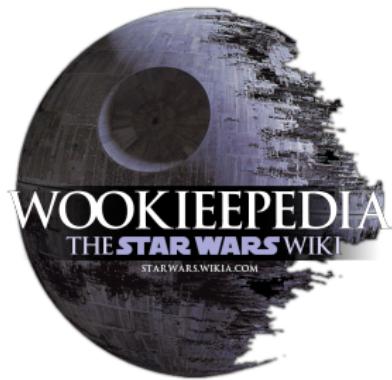
[    CHOOSE YOUR  
WIKI GAME    ]



There is more than one wiki?

wikia

wiki-ing intensifies



heavy breathing

A WIKI OF ICE AND FIRE  
A SONG OF ICE AND FIRE & GAME OF THRONES

GAME OF THRONES  
WIKI



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## Statistics

Special page

Page statistics	
Content pages	109,669
Pages	355,130
(All pages in the wiki, including talk pages, redirects, etc.)	
Uploaded files	61,231
Edit statistics	
Page edits since Wookieepedia was set up	4,785,885
Average edits per page	13.48
User statistics	
Registered users	23,101,892
Active users (list of members)	622
(Users who have performed an action in the last 30 days)	
Bots (list of members)	10
Administrators (list of members)	21
Bureaucrats (list of members)	5

# gotta catch 'em all



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## Statistics

From Bulbapedia, the community-driven PokéMón encyclopedia

Page statistics	
Content pages	25,474
Pages	159,945
(All pages in the wiki, including talk pages, redirects, etc.)	
Uploaded files	0
Edit statistics	
Page edits since Bulbapedia was set up	2,105,596
Average edits per page	13.16
User statistics	
Registered users	108,124
Active users (list of members)	855
(Users who have performed an action in the last 30 days)	
Bots (list of members)	3
Administrators (list of members)	10
Bureaucrats (list of members)	12
abuse (list of members)	51
editlock-exempt (list of members)	9
Junior Administrators (list of members)	10
Senior Administrators (list of members)	4
Editorial Board (list of members)	13
Check users (list of members)	0
steward (list of members)	0
Widget editors (list of members)	2



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On MA      Por

Wiki Activity

## Statistics

Special page

Page statistics	
Content pages	36,775
Pages	143,181
(All pages in the wiki, including talk pages, redirects, etc.)	
Uploaded files	37,133
Edit statistics	
Page edits since Memory Alpha was set up	1,611,607
Average edits per page	11.26
User statistics	
Registered users	23,101,893
Active users (list of members)	196
(Users who have performed an action in the last 30 days)	
Bots (list of members)	11
Administrators (list of members)	22
Bureaucrats (list of members)	2
rollback (list of members)	2
Check users (list of members)	0

Analysis time!



- ▶ memory alpha dump
  - ▶ XML format
  - ▶ every, and i mean every, current page
  - ▶ no images
  - ▶ ~ 313 MB
- ▶ R plus packages
  - ▶ see what you can do with your degree?
- ▶ link network. content pages. both in and out of universe.
  - ▶ cut out admin pages (help, users, etc.)

## Questions

Captains? (and commander...)

Series?

etc.

## summaries

nodes: 34366

links: 788851

diameter: 10

mean links:  $\sim 45$ ; median: 19

closeness centrality:  $8.72 \cdot 10^{-6}$

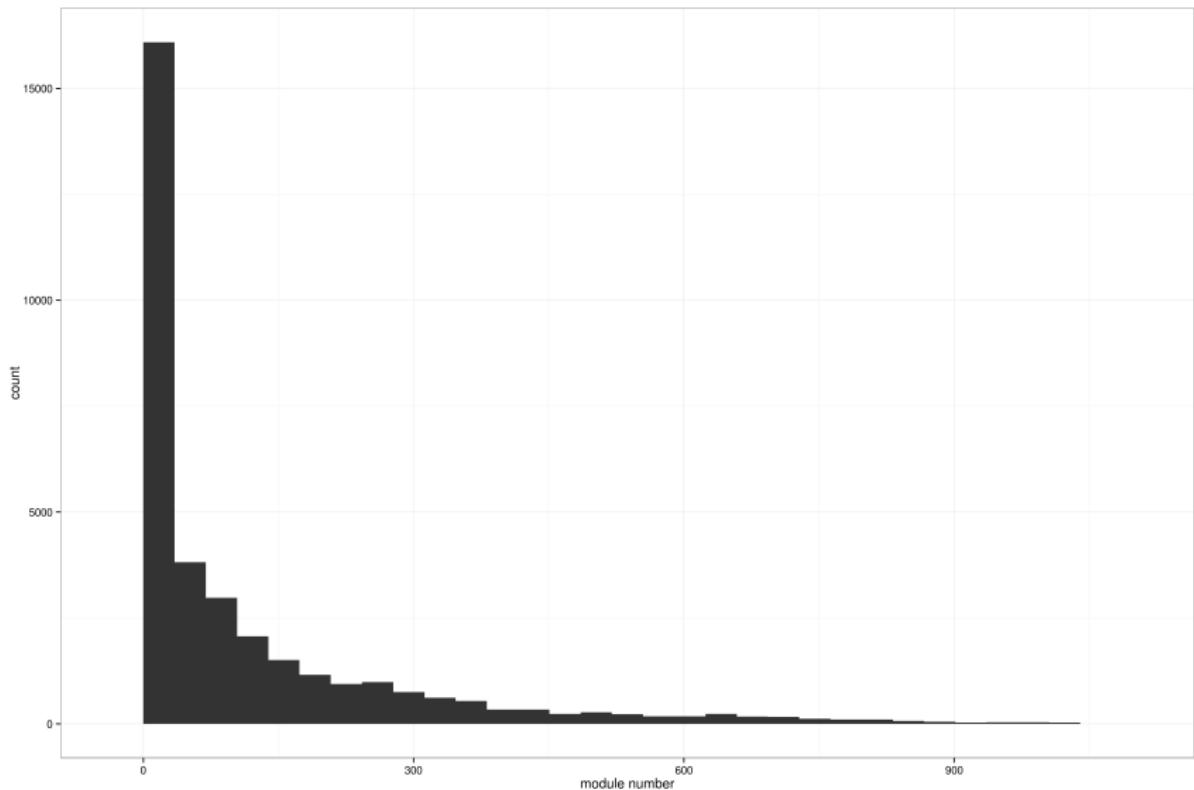
emergent structure?

yeah... but graph is still too huge to show. sorry.

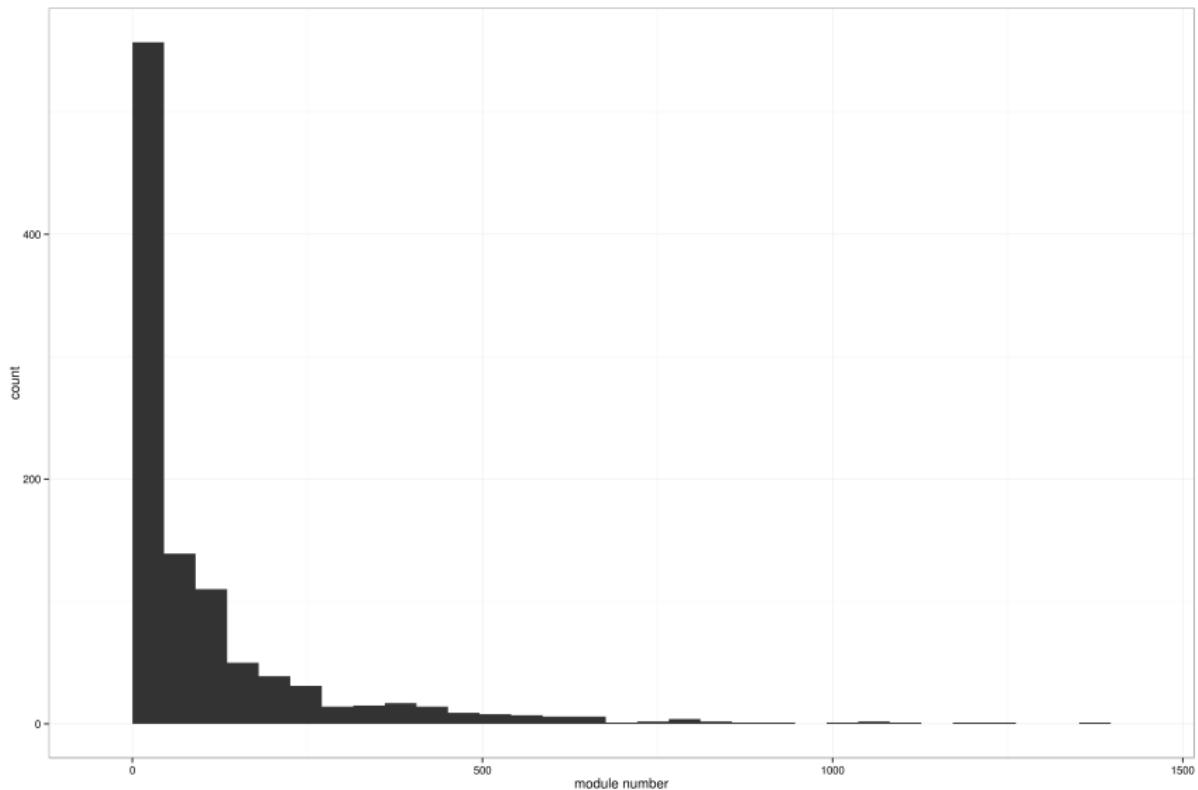
1040 modules (173 modules of size 1)

56358 links

# module sizes



# module degree



## 10 most important “things”

10. star trek: deep space nine

# 10 most important “things”

9. human
10. star trek: deep space nine

# 10 most important “things”

8. starship
9. human
10. star trek: deep space nine

# 10 most important “things”

7. star trek: the next generation
8. starship
9. human
10. star trek: deep space nine

## 10 most important “things”

6. star trek (out of universe)
7. star trek: the next generation
8. starship
9. human
10. star trek: deep space nine

## 10 most important “things”

5. planet
6. star trek (out of universe)
7. star trek: the next generation
8. starship
9. human
10. star trek: deep space nine

# 10 most important “things”

4. federation
5. planet
6. star trek (out of universe)
7. star trek: the next generation
8. starship
9. human
10. star trek: deep space nine

# 10 most important “things”

3. starfleet
4. federation
5. planet
6. star trek (out of universe)
7. star trek: the next generation
8. starship
9. human
10. star trek: deep space nine

## 10 most important “things”

2. earth
3. starfleet
4. federation
5. planet
6. star trek (out of universe)
7. star trek: the next generation
8. starship
9. human
10. star trek: deep space nine

## 10 most important “things”

1. captain
2. earth
3. starfleet
4. federation
5. planet
6. star trek (out of universe)
7. star trek: the next generation
8. starship
9. human
10. star trek: deep space nine

## weirdest click series

tanagra family

gallos ii

inhabited planets

23rd century

san francisco

san francisco herald

jessica bradley

encounter at farpoint

henry vi, part iii

the naked now

decontamination

series



## series

	page.rank	degree	closeness
star trek: the next generation	0.0049	2658	0.00039
star trek: deep space nine	0.0041	4286	0.00039
star trek: voyager	0.0034	2261	0.00039
star trek: enterprise	0.0030	1929	0.00039
star trek: the original series	0.0028	3367	0.00039

captains



## captains

	page.rank	degree	closeness
jean-luc picard	0.00334	3808	0.00039
james t. kirk	0.00329	2380	0.00039
benjamin sisko	0.00238	1925	0.00039
kathryn janeway	0.00207	3586	0.00039
jonathan archer	0.00167	2311	0.00039

obviously

