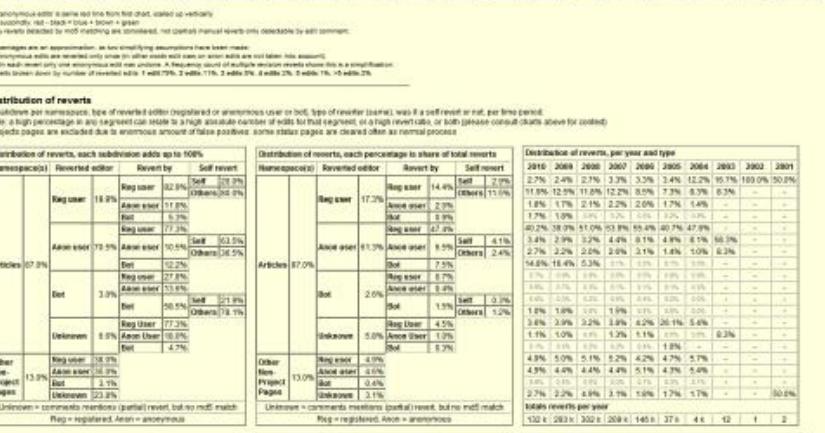
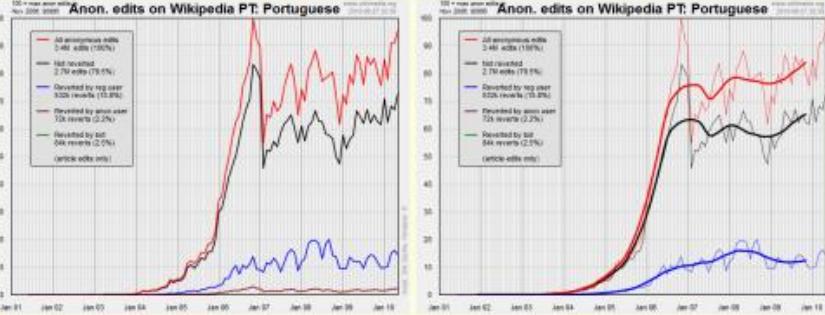
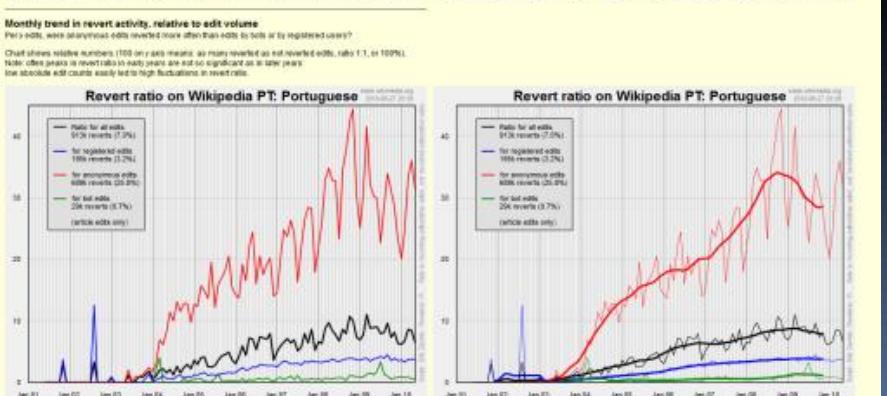
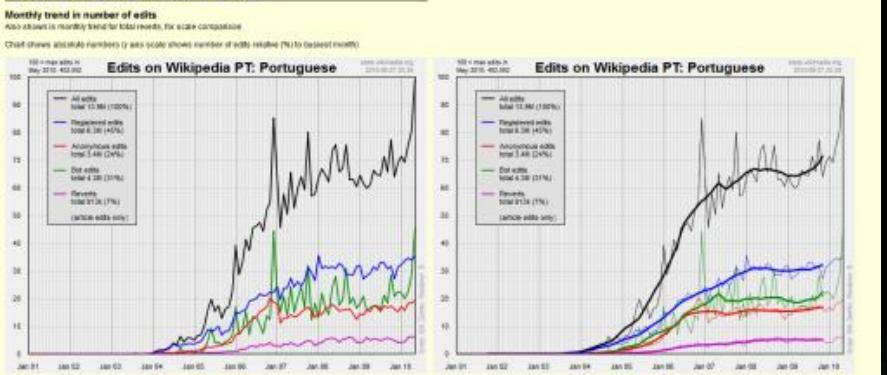


EDIT & REVERT TRENDS

Erik Zachte
Data Analyst, Wikimedia Foundation

Wikimania
July 2010 - Gdansk

+/- 800 x



Top Rankings			
Users		Content	
Most Active Reverters	Most Revered Editors	Most Revered Articles	Most Revered Other Wikiprojects
# Rev User	# Rev User	# Rev Article	# Rev Page
5199 jpmel	13660 Jpmel	8793 Wikipedia:Português	8793 Wikipedia:Português
42400949	42400949	726 Urânia: Fazulai Farah, <i>Resposta</i>	726 Urânia: Fazulai Farah, <i>Resposta</i>
6811 Rubensmora	3081 Rubensmora	716 Sônia (polo) (atrade)	303 Urubá Marca e Carioca
543 59573	3682 Qwerty1	701 Let's make Lala da Góis	326 Projeto Listas de campeões nacionais do futebol brasileiro
15 6683	1853 Capitão	955 Croácia Esporte Clube	199 Urubá:Churrasco.ru
241 4926	1858 Nílton	447 São Paulo Corinthiana Paulista	284 Projeto Listas de episódios de Harry Potter
136 Heitor_C_jege	1887 Heitor_C_jege	447 Maracanã	269 Projeto Listas de episódios de Harry Potter
140 Leonardo_stabile	1889 149571	427 Maringá com Arapuá	269 Tudo sobre o gênero de rock
456 Adalton	1909 Ivan_C_Jorge	422 Associação Fotocasa	264 Urubá:OscarNiemeyer@2000
82 Run Pugnati	1917 Vargas	620 Ourozinho Minero	245 TudoPáginas/ProjetoArqueologia
61 Dianek	1935 Grubell	610 Náutico	237 Urubá:Christian@Wikia
10 1266	1935 Throf	505 Palmeiras	235 Projeto Listas das armadilhas da Morte
10 1266	1936 Bento	499 Técnicas de Teatro Para Principiantes	235 Projeto Listas das armadilhas da Morte
317 Gurase	690 Jung	481 Região de Paraty	226 Urubá:Guru@Urubá
176 Taramis	676 GDF	468 Biquatatuca	229 Urubá:Administrador@Urubá
847 Laranjito	654 WadoChacra	364 RIBA	218 Urubá:folk@Urubá
Rui Silveira	633 Bresser	364 Art_Levine	214 Tudo:Santos Clemente
1263 1266	624 Bresser	361 Túlio Zolezzi	214 Tudo:Santos Clemente
334 Prudêncio	773 Lenvaldo Jardim	346 Sociedade Cultural Bileia	204 Tropenliga:Torneio 2010
486 Kyatama	762 Leslie	346 Língua portuguesa	203 Urubá:Angélica@Urubá
120 Chriatina	743 Cartório de Hidremanamento	336 Águia	194 Urubá:Hecília@Urubá:projeto@Urubá
226 Porsenella	737 RoseQuinton	323 Michael Jackson	192 Urubá:Daniela@Urubá:projeto@Urubá
Davi	737 Felipe da Faria	320 Uruguaí:Visões do Gênero	184 Urubá:folk@Urubá
1263 1266	723 Uruguaí	323 Werner	183 Urubá:Guru@Urubá
1263 1266	723 Felipe Braga	322 Uruguaí:Visões do Gênero	182 Urubá:Guru@Urubá
477 Evaristo	723 Corvinus@Defensoria	321 Odyssseus	182 Tropenliga:Torneio 2010
114 José_Paix	714 Tokaidai	453 Atiba	181 Participantes@Urubá
681 Revedaro	713 Lipezado	433 Lexa Park	177 Projeto Listas de heróinhas brasileiras
409 João_Camelo	670 Run Pugnati	311 Sport Club Internacional	172 Projeto Listas de portões do Brasil
616 Lemb	656 Voltei@B	307 Revolução Industrial	169 Projeto Listas de portões por estado de Desenvolvimento Humano
174 Freitas	651 Meia	303 Urubá:Portões@Urubá	169 Urubá:Portões@Urubá
337 Telles	654 Jardim	303 Rio de Janeiro	161 Urubá:Portões@Urubá
688 Gártt	683 Adalton	498 Interquida	161 Urubá:Portões@Urubá
173 Mota	683 Beira	497 China	154 Tudo:Georgo Maradona
357 Leslie	596 Pororins	496 Crotal	154 Tudo:Palmeira

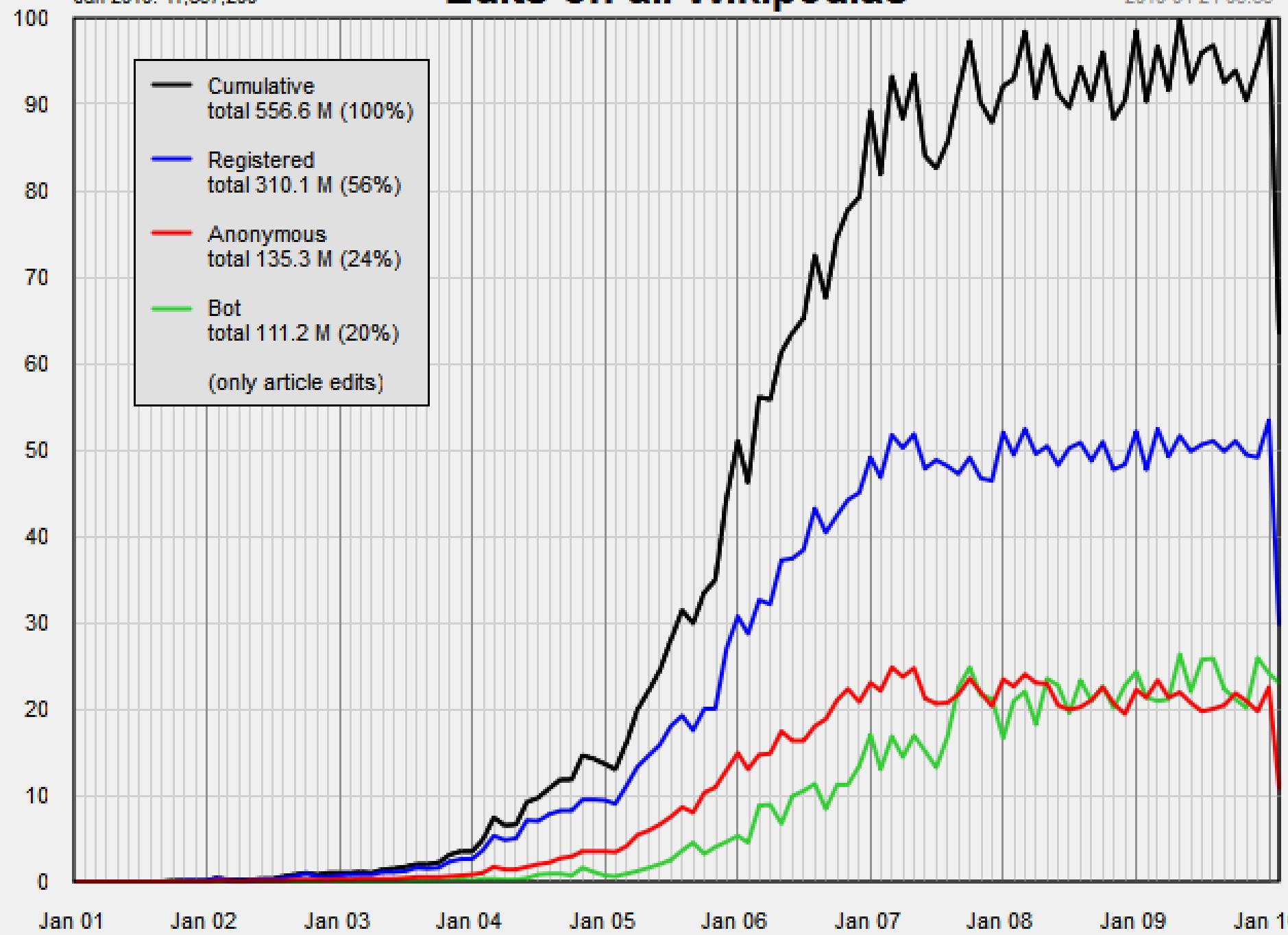


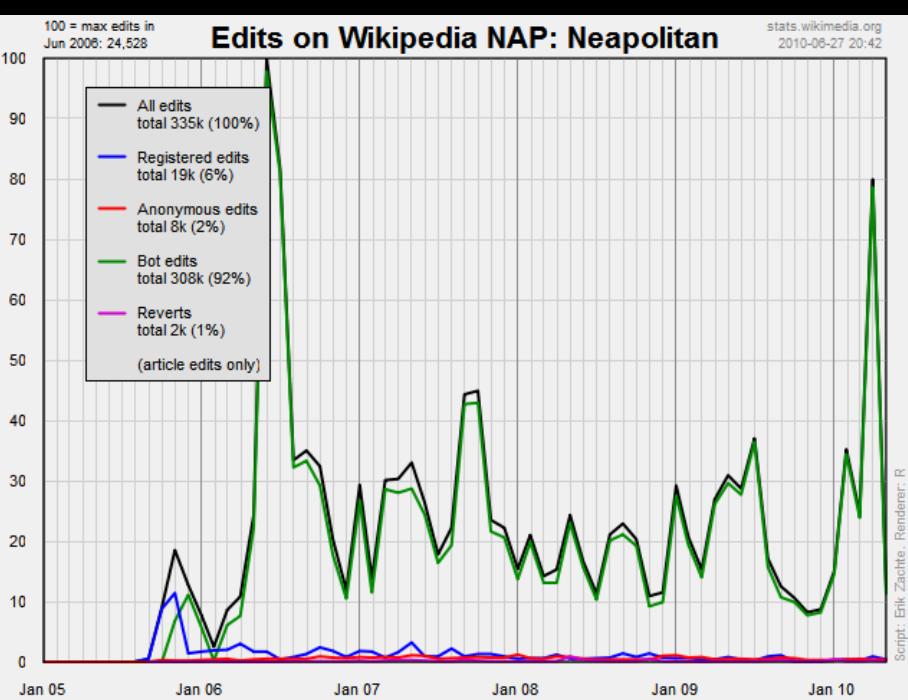
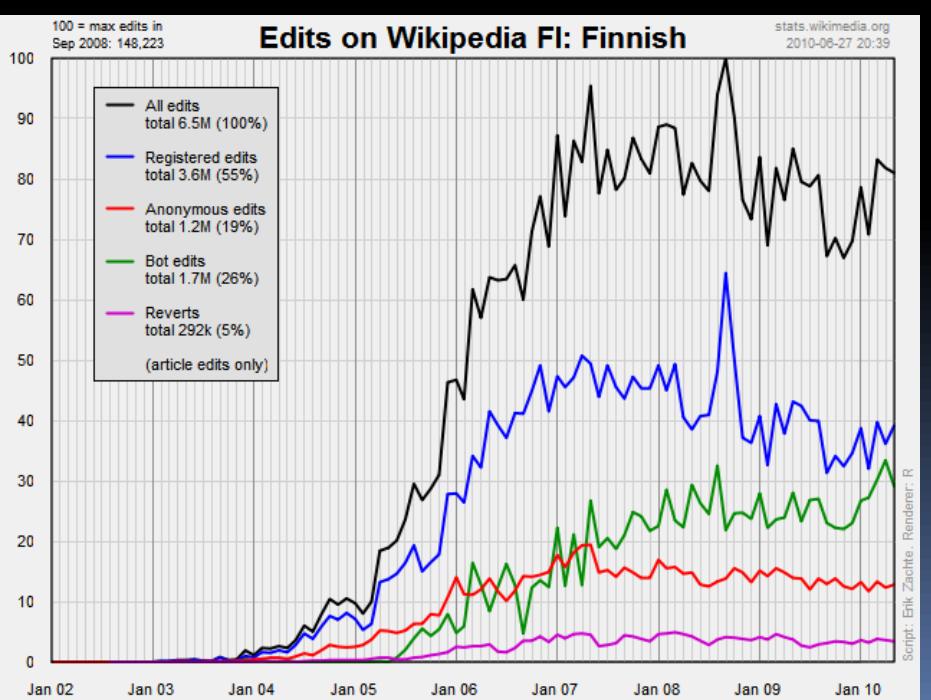
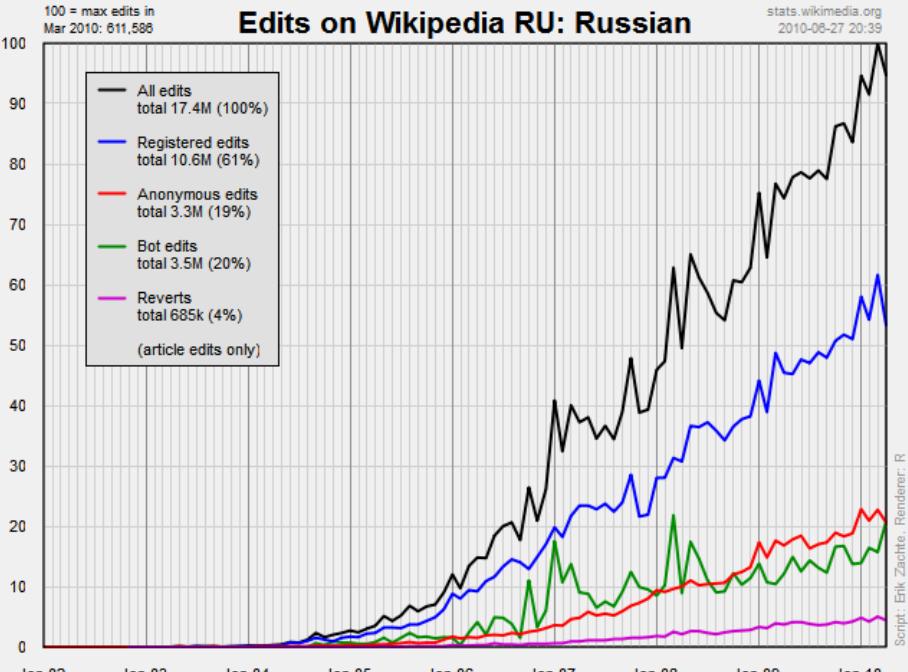
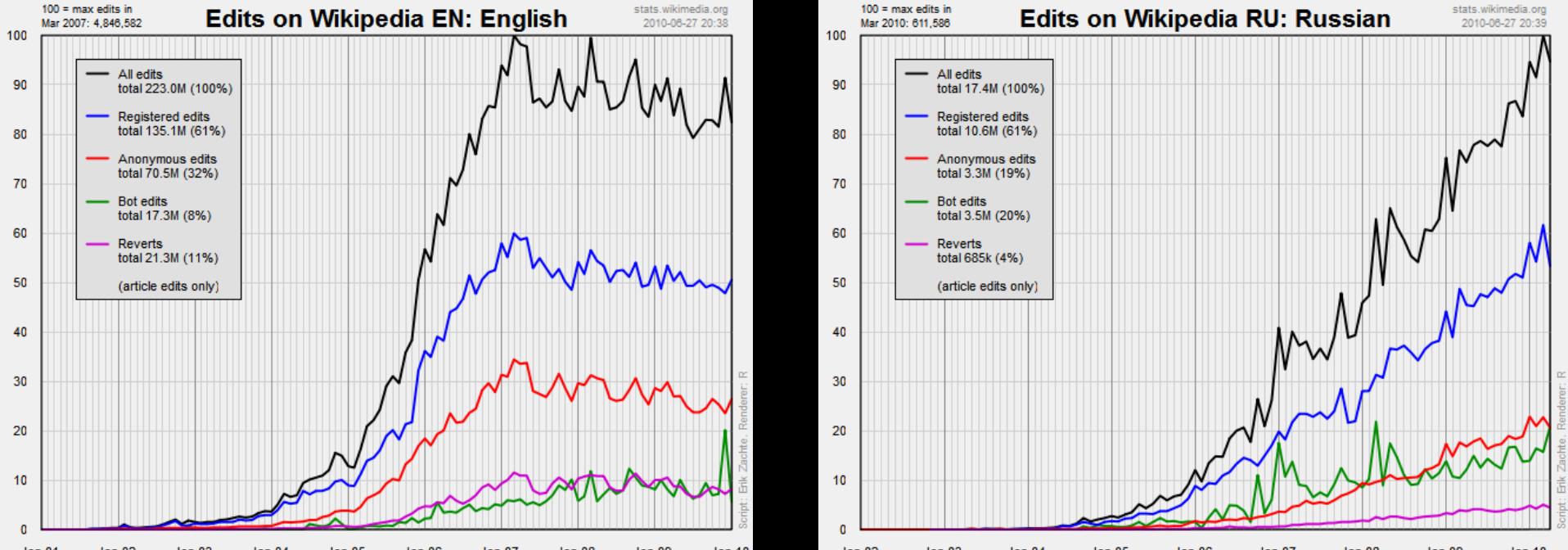
Bundesarchiv, Bild 183-27924-0001
Foto: Biscan | 10. Dezember 1954

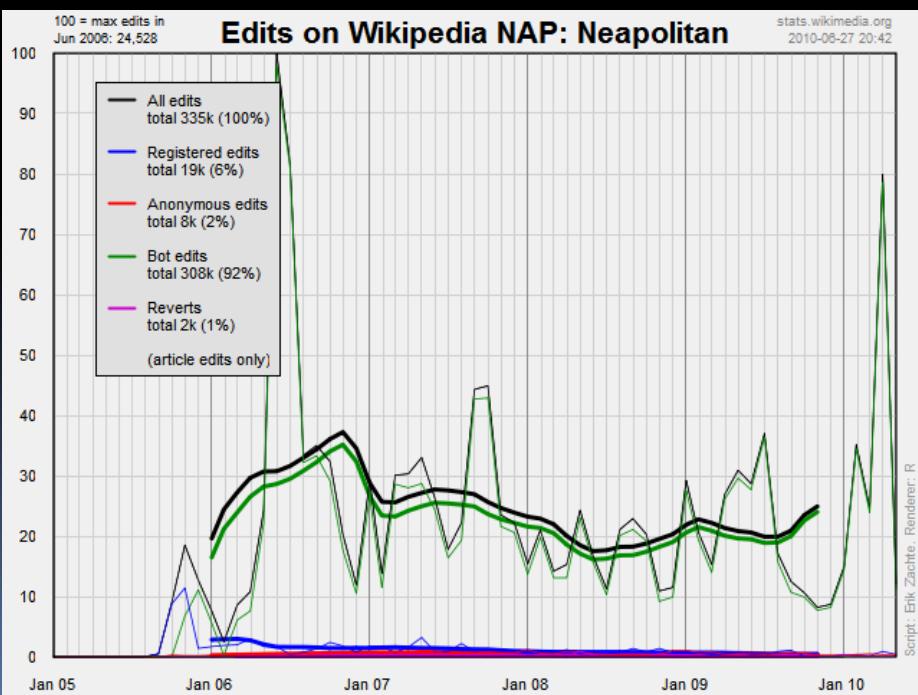
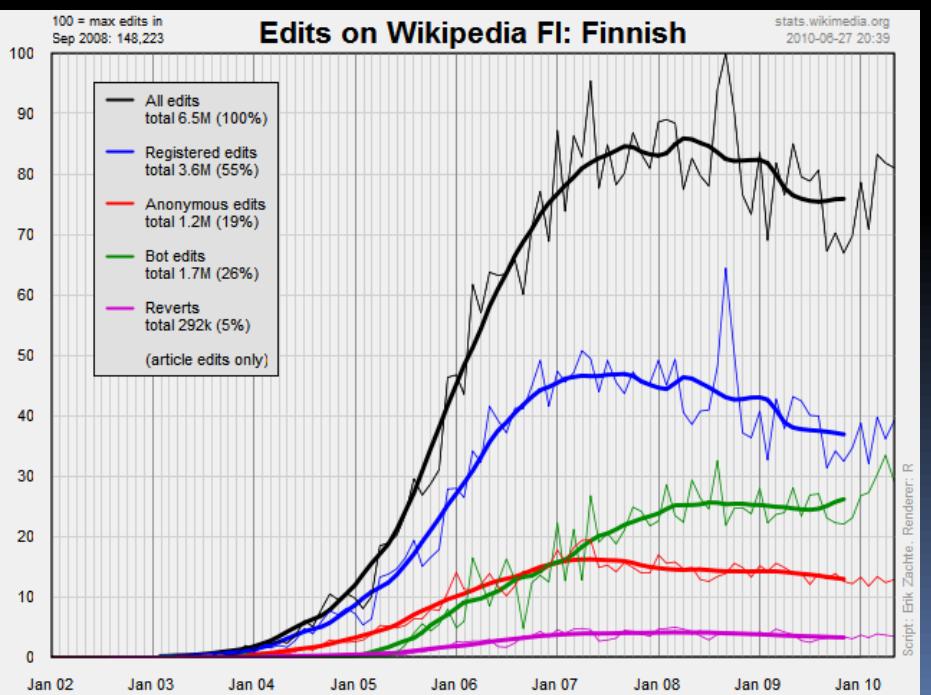
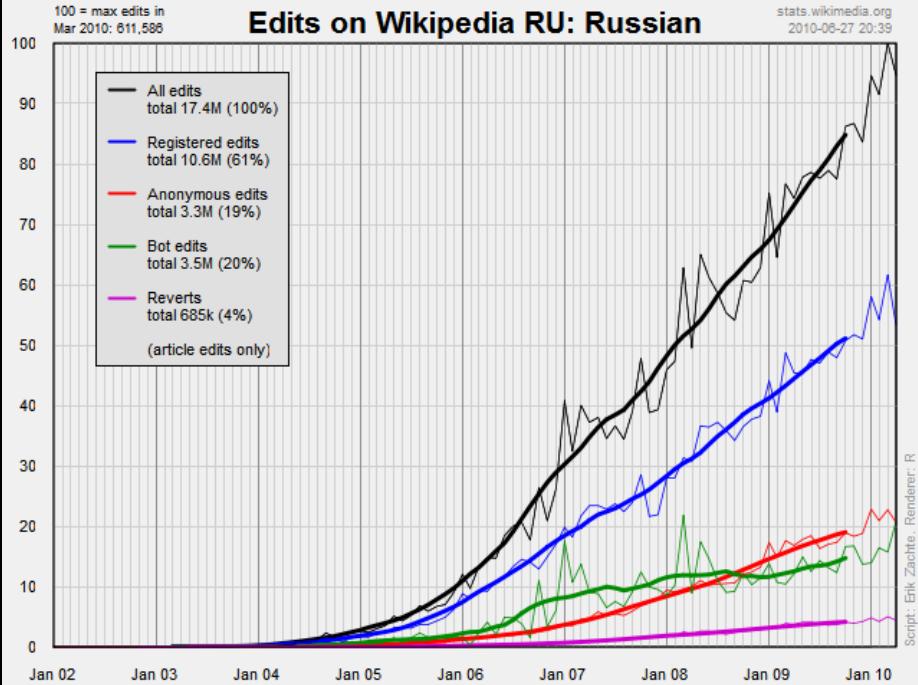
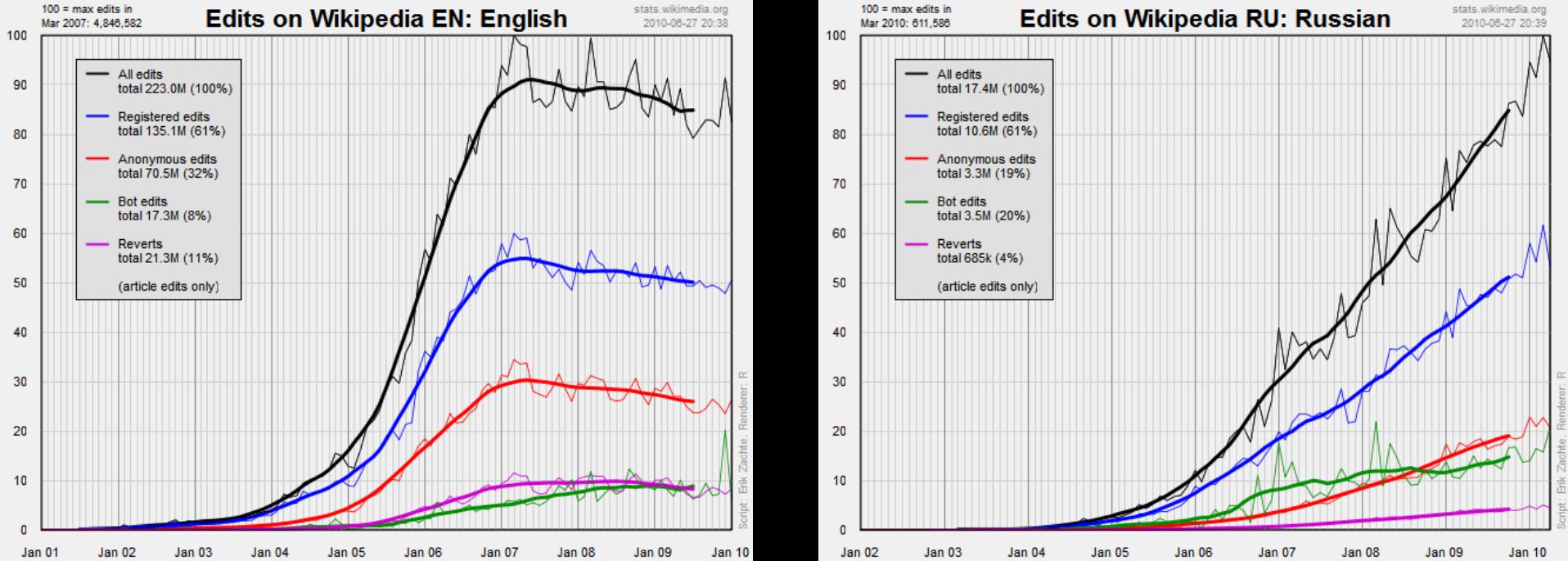
- Cumulative
total 556.6 M (100%)
- Registered
total 310.1 M (56%)
- Anonymous
total 135.3 M (24%)
- Bot
total 111.2 M (20%)

(only article edits)

Edits on all Wikipedias







Reverts



How to detect reverts

- **Comments**

rv, rvv, vandal, restored, undone, ..(Eng Wp)

- **Checksums (MD5)**

-



654af3678745236583fc2433g5daaf32

Calculate MD5 checksum for each revision

- 15A3B... ● (cur | prev) ○ ○ 18:39, 31 October 2005 Francs2000 (talk | contribs) m (98,186 bytes)
(Reverted edits by 82.94.251.206 to last version by Pgk)
- C324B... ● (cur | prev) ○ ○ 18:38, 31 October 2005 82.94.251.206 (talk) (45 bytes)
- 15A3B... ● (cur | prev) ○ ○ 18:38, 31 October 2005 Pgk (talk | contribs) m (98,186 bytes)
(Reverted edits by 82.94.251.206 to last version by Francs2000)
- 9980A... ● (cur | prev) ○ ○ 18:36, 31 October 2005 82.94.251.206 (talk) (45 bytes)
- 15A3B... ● (cur | prev) ○ ○ 18:35, 31 October 2005 Francs2000 (talk | contribs) m (98,186 bytes)
(Reverted edits by 68.100.145.172 to last version by Francs2000)
- 67780... ● (cur | prev) ○ ○ 18:34, 31 October 2005 68.100.145.172 (talk) (98,271 bytes)
- 15A3B... ● (cur | prev) ○ ○ 18:15, 31 October 2005 Francs2000 (talk | contribs) m (98,186 bytes)
(Reverted edits by 213.20.137.155 to last version by Francs2000)
- 77789... ● (cur | prev) ○ ○ 18:14, 31 October 2005 213.20.137.155 (talk) (98,125 bytes)
- 15A3B... ● (cur | prev) ○ ○ 18:13, 31 October 2005 Francs2000 (talk | contribs) m (98,186 bytes)
(Reverted edits by 213.20.137.155 to last version by 192.250.112.194)

Calculate MD5 checksum for each revision

- 15A3B... ● (cur | prev) ○ ○ 18:39, 31 October 2005 Francs2000 (talk | contribs) m (98,186 bytes)
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 - 77789... ● (cur | prev) ○ ○ 18:14, 31 October 2005 213.20.137.155 (talk) (98,125 bytes)
 - 15A3B... ● (cur | prev) ○ ○ 18:13, 31 October 2005 Francs2000 (talk | contribs) m (98,186 bytes)
(Reverted edits by 213.20.137.155 to last version by 192.250.112.194)
- 

How to detect reverts

- **Comments**

Language dependent

rv, rvv, vandal, restored, undone, ..

More false positives

e.g. “not vandalism, see .. .”

- **MD5 checksums**

Language independent

Few false positives

some status pages

Rankings

English Wikipedia
dump January 2010

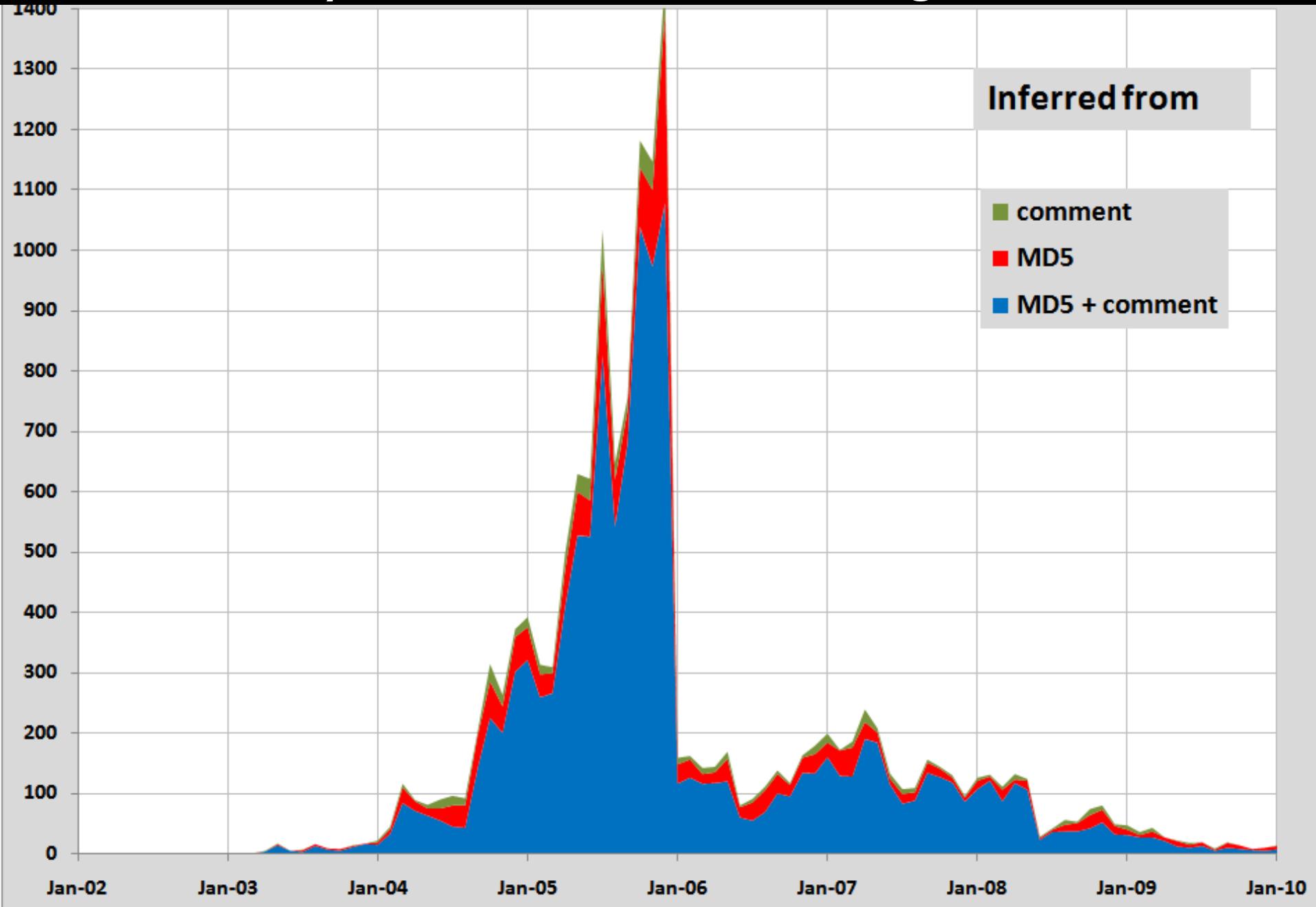
Most Active Reverters		Most Reverted Editors	
#	Rv	#	Rv
642178	ClueBot	36199	ClueBot
141294	AntiVandalBot	30637	RussBot
134601	J.delanoy	16360	Redirect fixer
134258	VoABot II	14467	Xqbot
103190	XLinkBot	11817	DarknessBot
101804	Alansohn	11113	AntiVandalBot
100659	MartinBot	8957	OrphanBot
69898	Tawkerbot2	8134	SmackBot
68355	Epbr123	7726	XLinkBot
64604	Discospinster	7526	VoABot II
64367	Can't sleep%2C clown will eat me	7455	MartinBot
60654	Bobo192	6622	Cydebot
52111	The Thing That Should Not Be	5953	J.delanoy
42242	SmackBot	5824	ClueBot

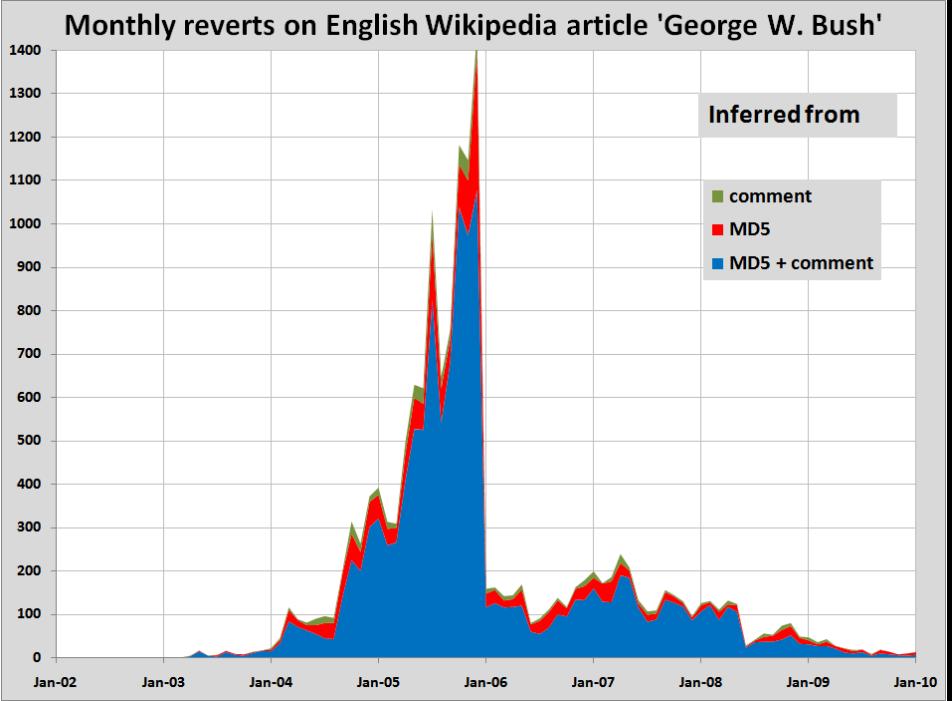
Rankings

Most Reverted Articles

# Rv	Article
14972	George W. Bush
11357	Wikipedia
6527	United States
6103	Adolf Hitler
5211	Jesus
4905	Global warming
4351	Michael Jackson
4310	World War II
4300	Barack Obama
4098	Wii
4064	RuneScape
4059	Muhammad
3998	Britney Spears
3911	Jew

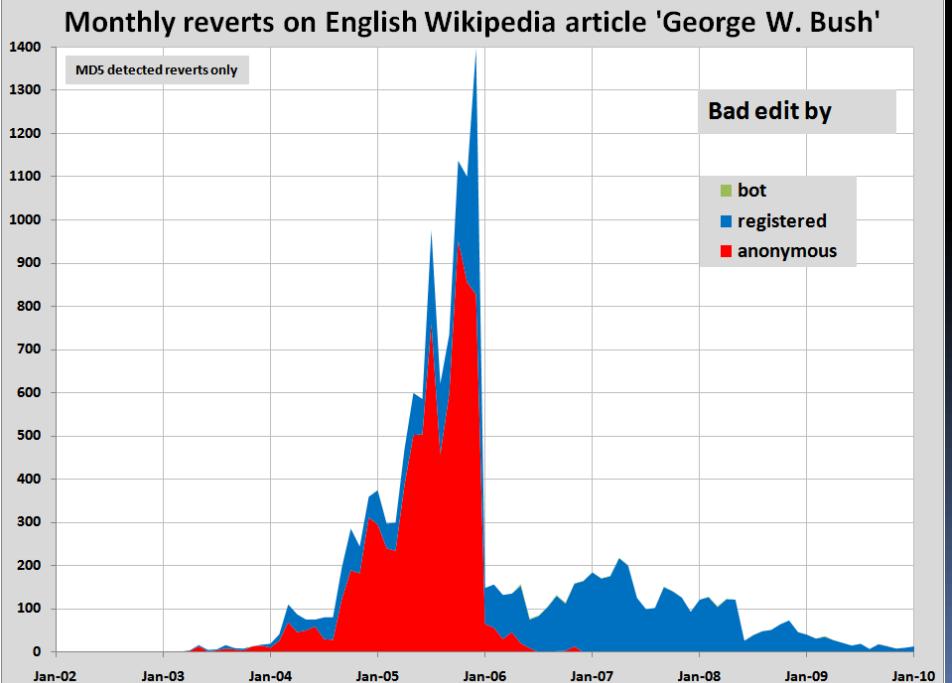
Monthly reverts on WP:EN ‘George W. Bush’



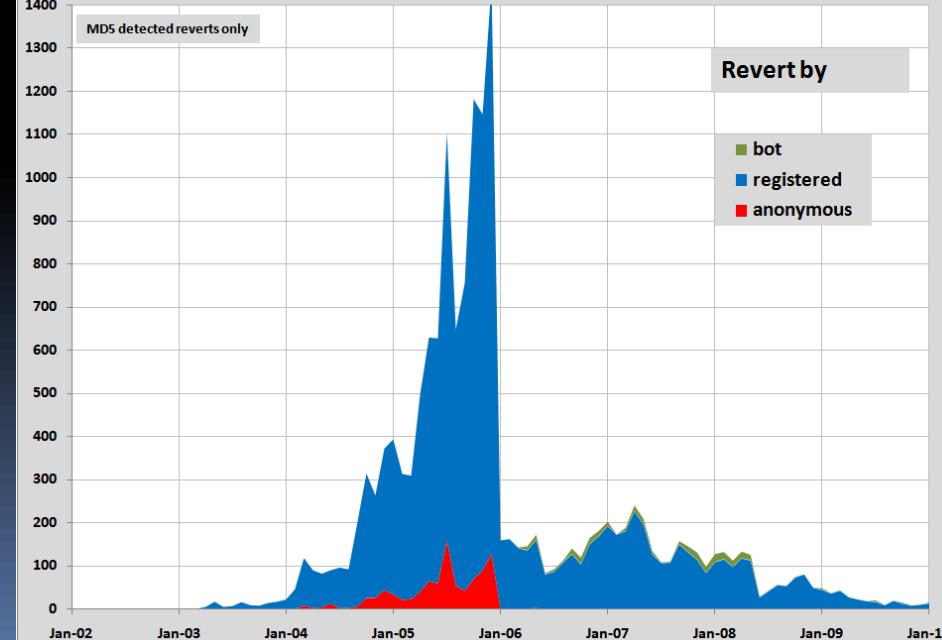


← Monthly reverts

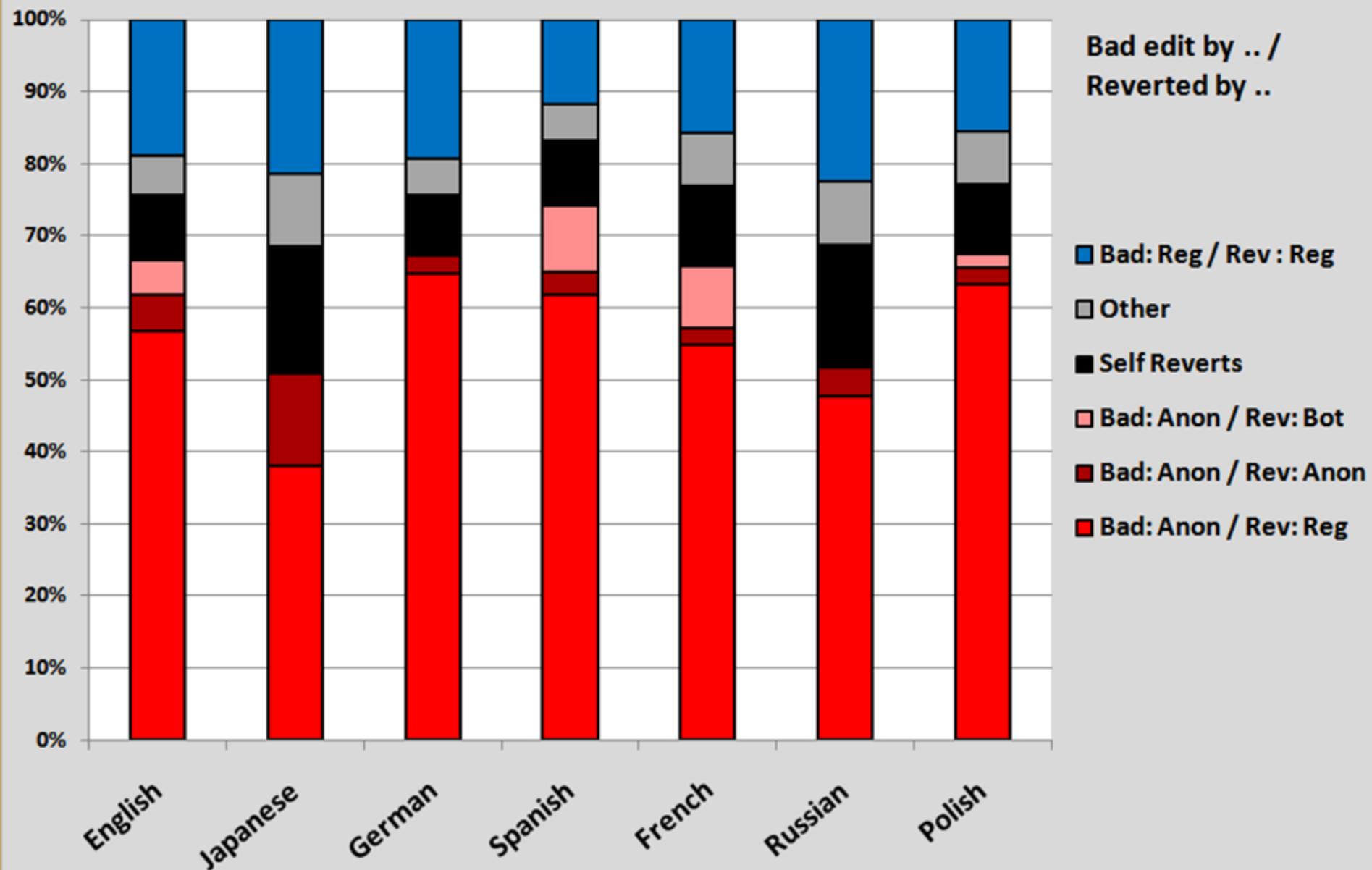
Reverted editors



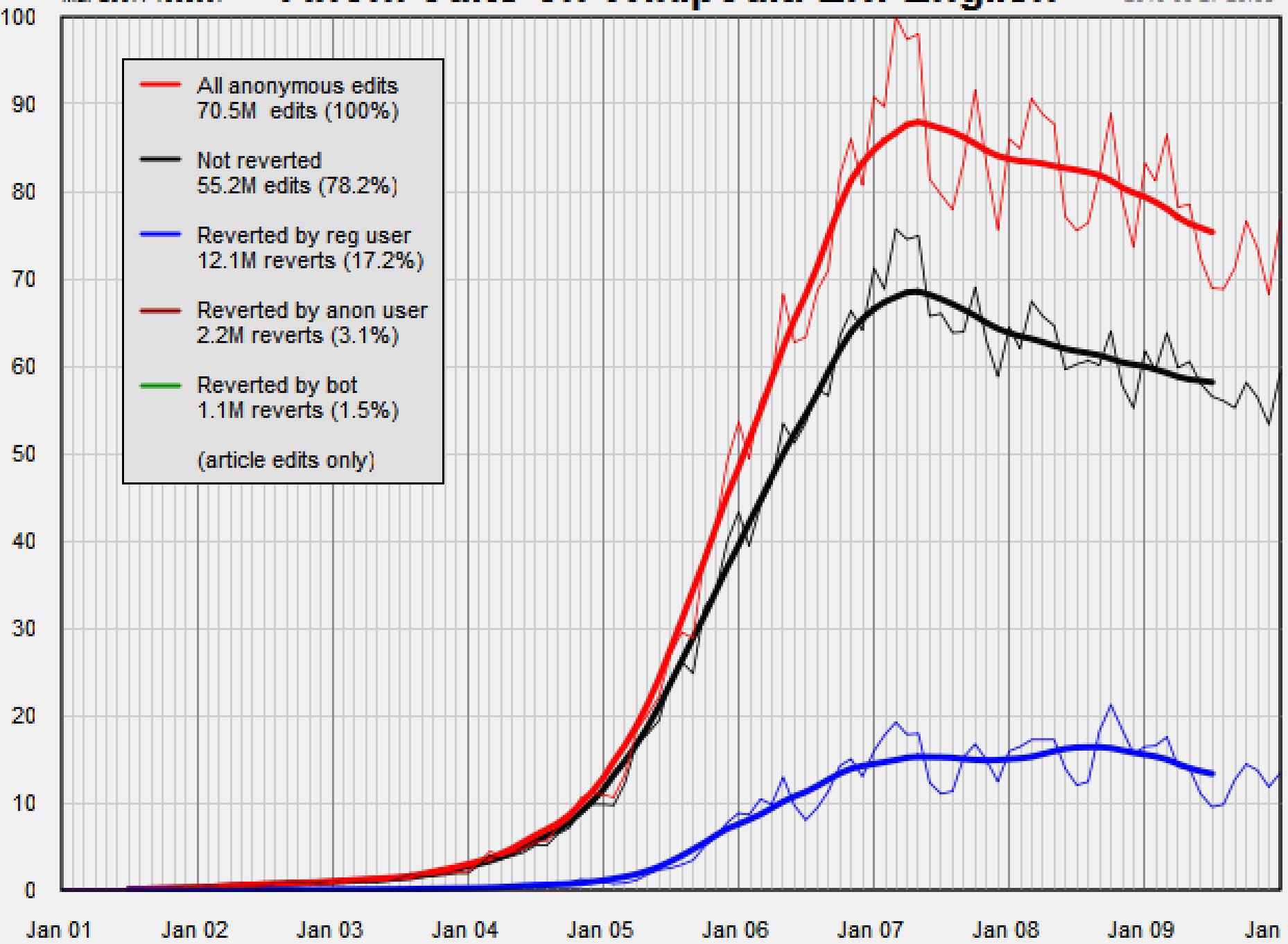
Monthly reverts on English Wikipedia article 'George W. Bush'



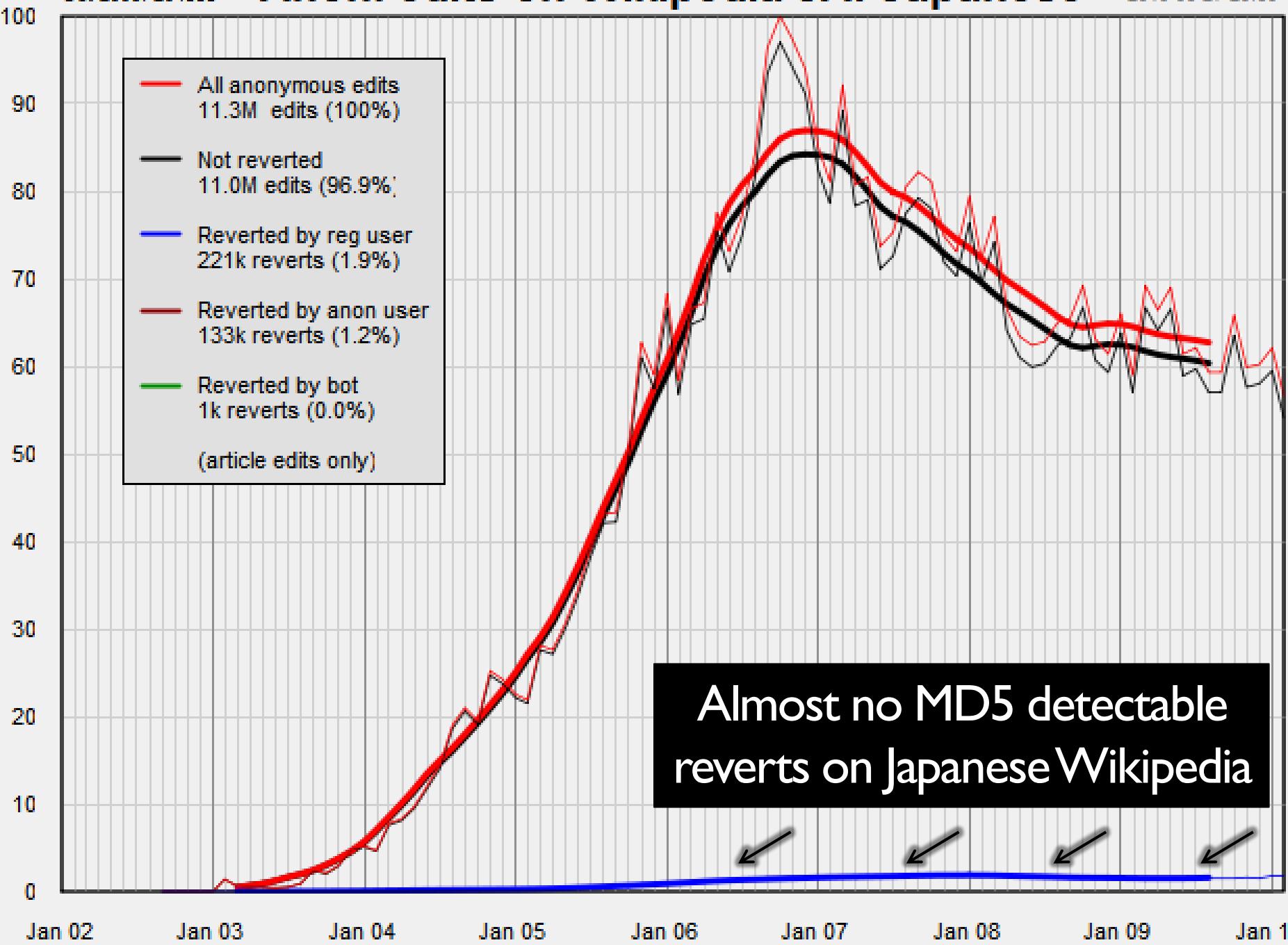
Breakdown of reverts on largest Wikipedias



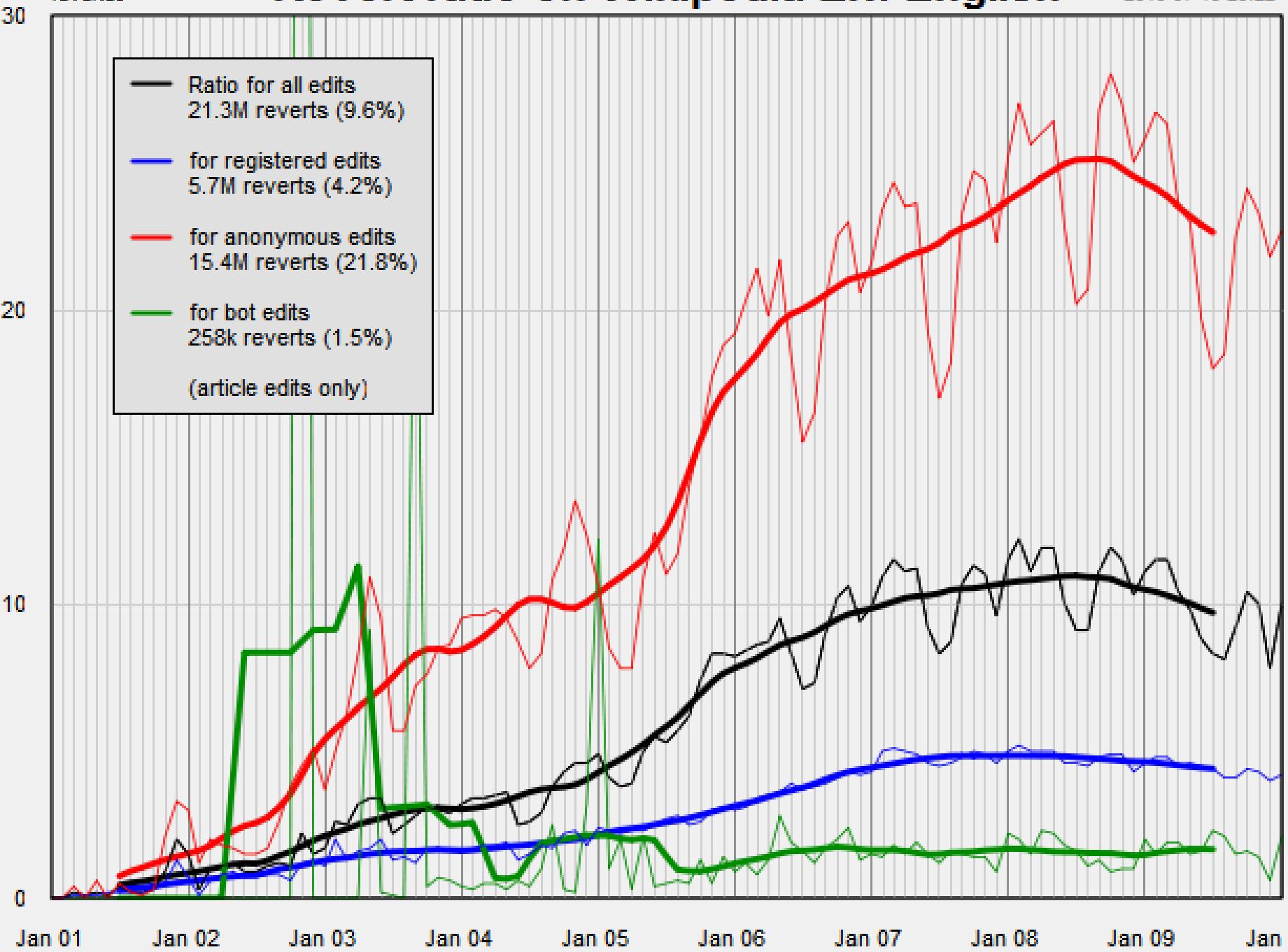
Anon. edits on Wikipedia EN: English



Anon. edits on Wikipedia JA: Japanese

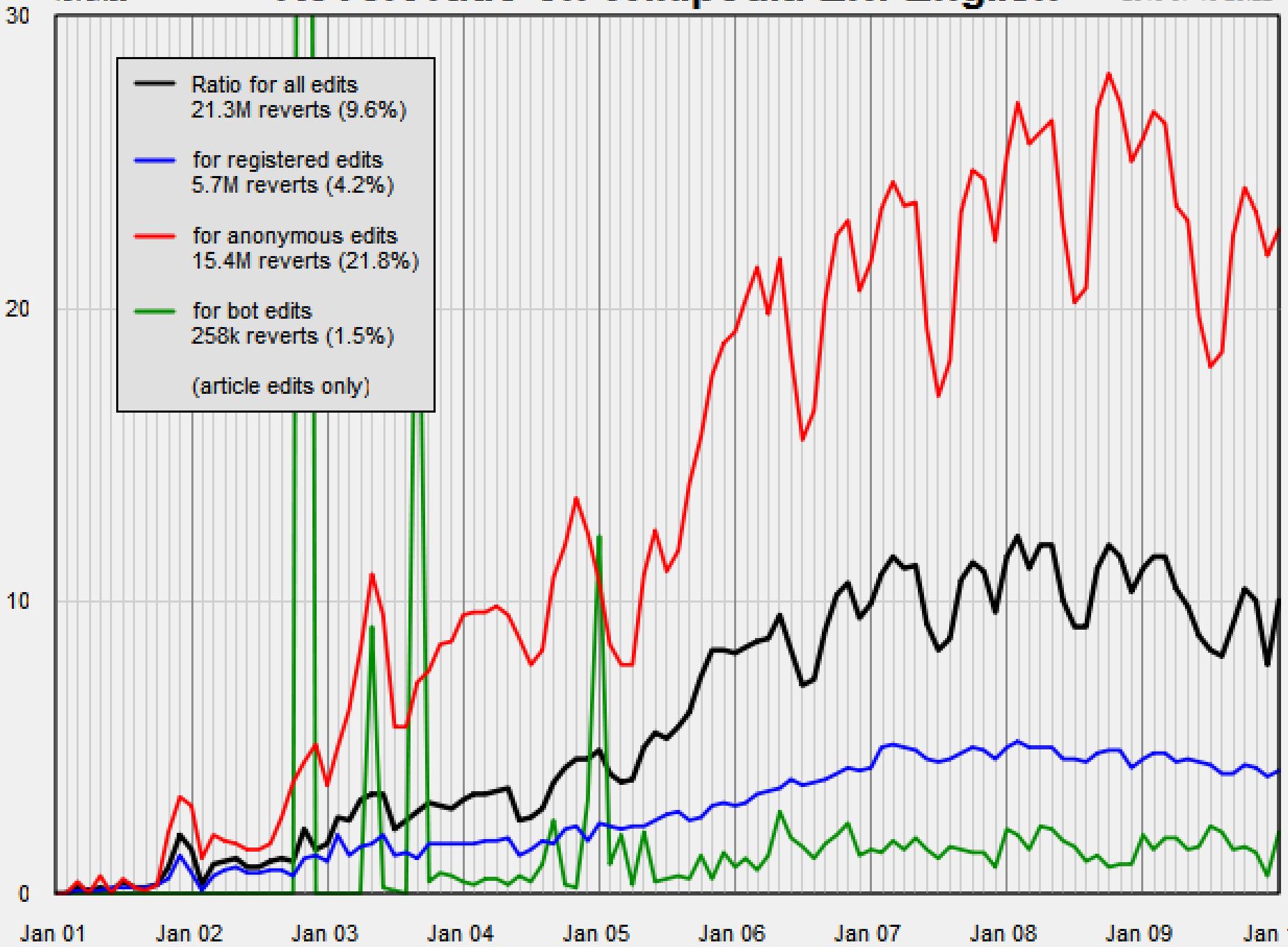


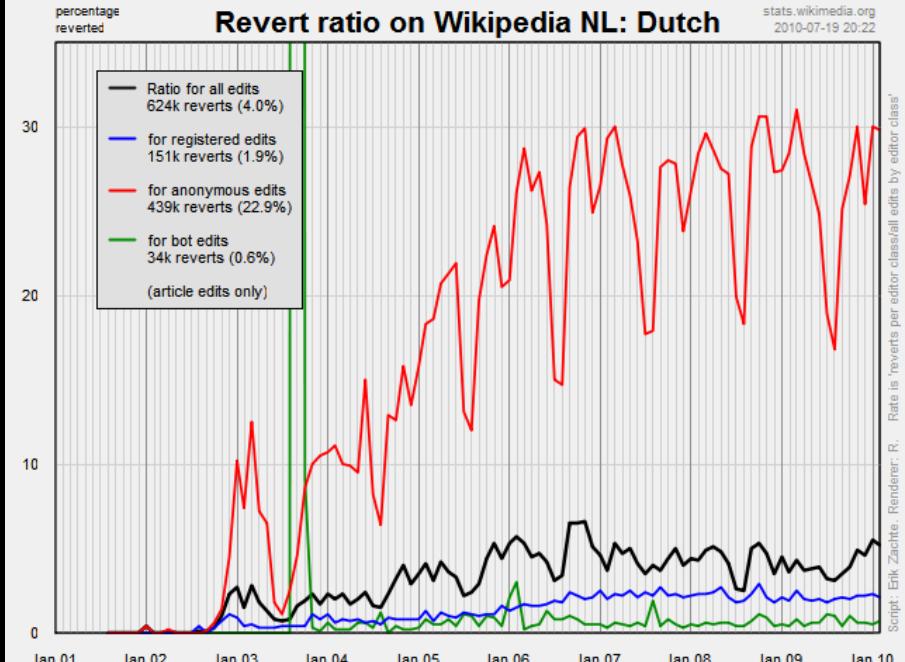
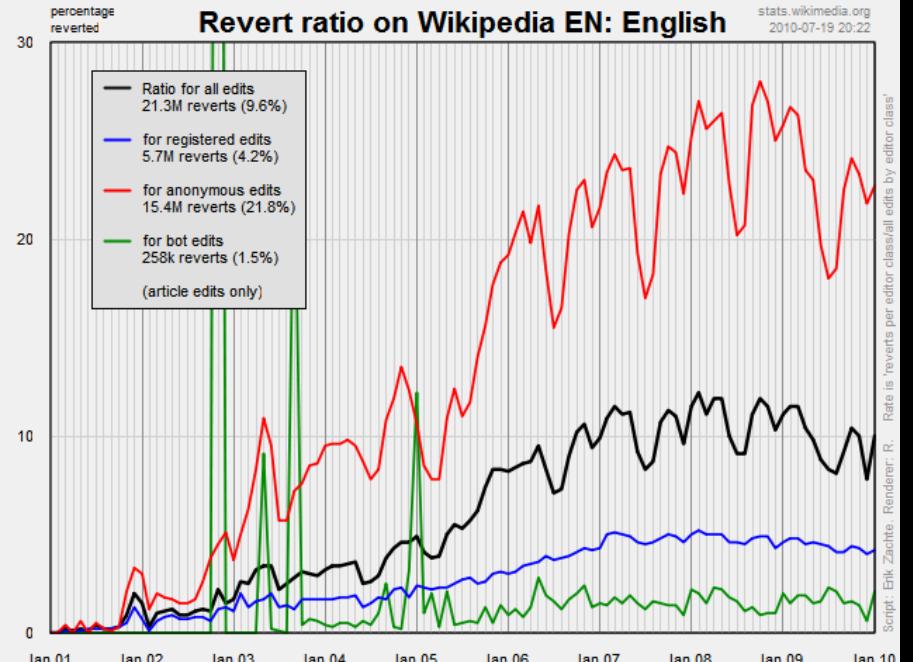
Revert ratio on Wikipedia EN: English



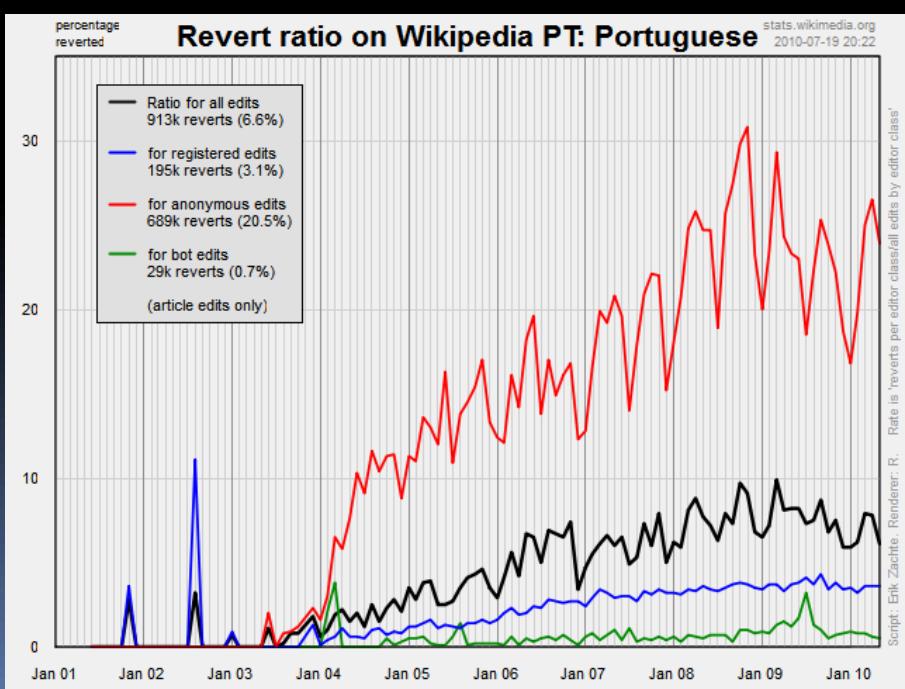
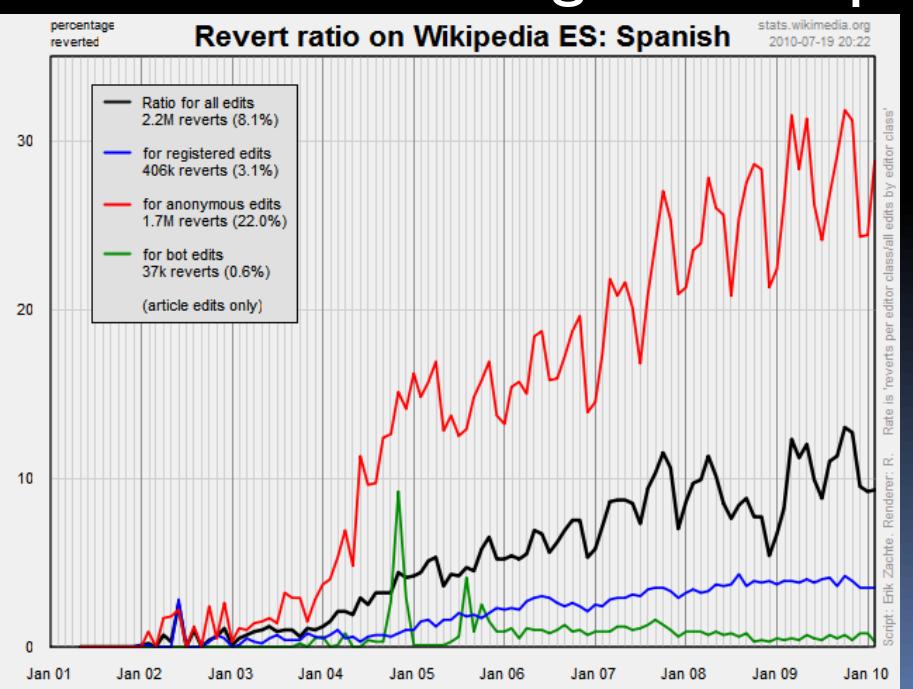
Rate is reverts per editor class/all edits by editor class!
Script: Erik Zachte. Rendered: R.

Revert ratio on Wikipedia EN: English





Strong seasonal pattern for anon reverts





**Flagged Revisions on
German Wikipedia**

Flagged Revisions / Pending Changes

- **Is it effective?**
- **Is it destructive?**
- **On what scale is it being used?**

Flagged revisions / Pending Changes

- **Is it effective?**

Does it shield bad contributions from the general public?

Does it discourage bad contributions ?

Are good contributions released timely to general public?

- **Is it destructive?**

Does it break or discourage collaborative processes?

- **On what scale is it being used? (+ trend)**

To how many articles does this protection apply

Can the community absorb the amount of work ?

Flagged Revisions

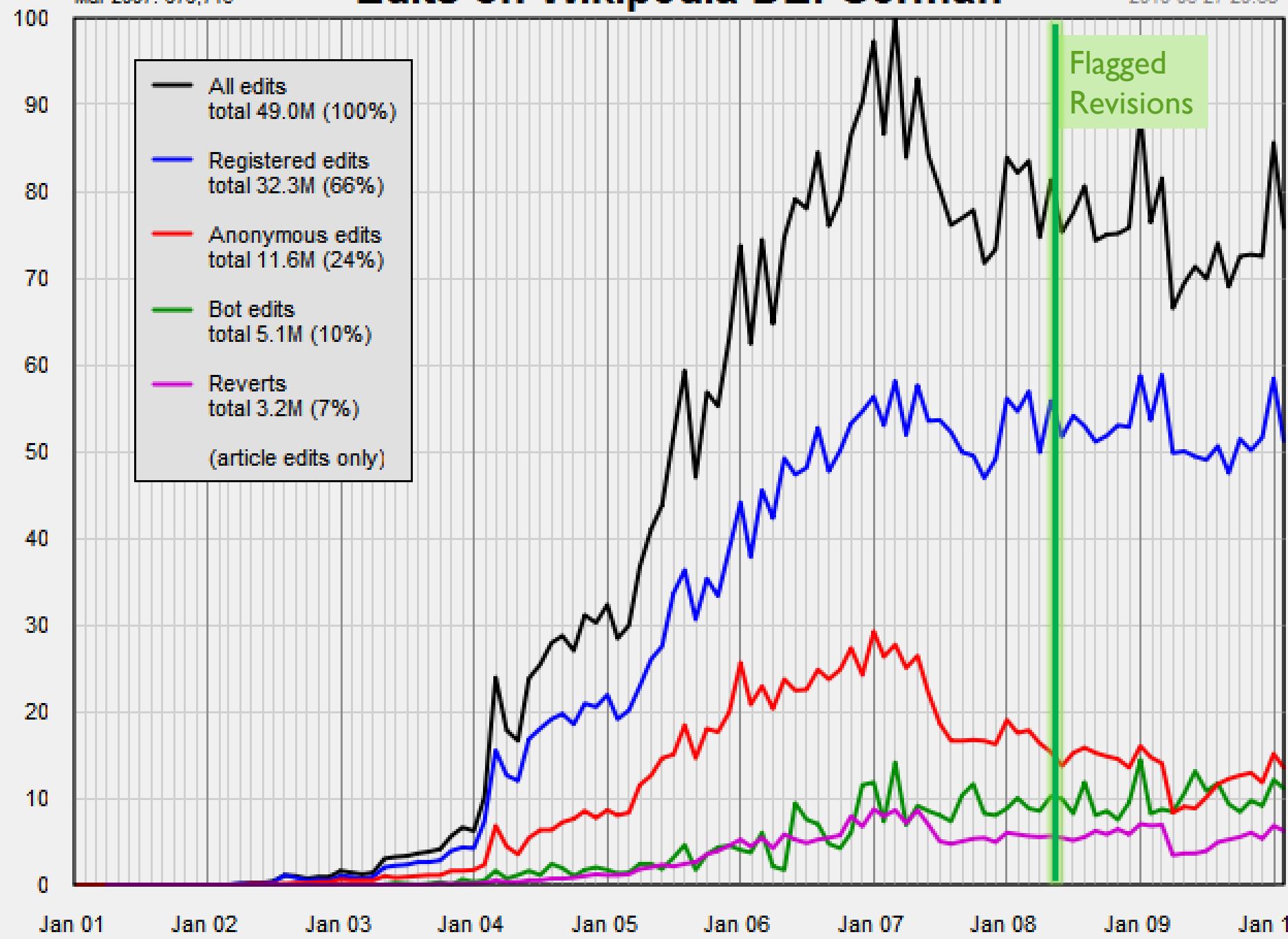
introduced May 6, 2008

on German Wikipedia

100 = max edits in
Mar 2007: 979,716

Edits on Wikipedia DE: German

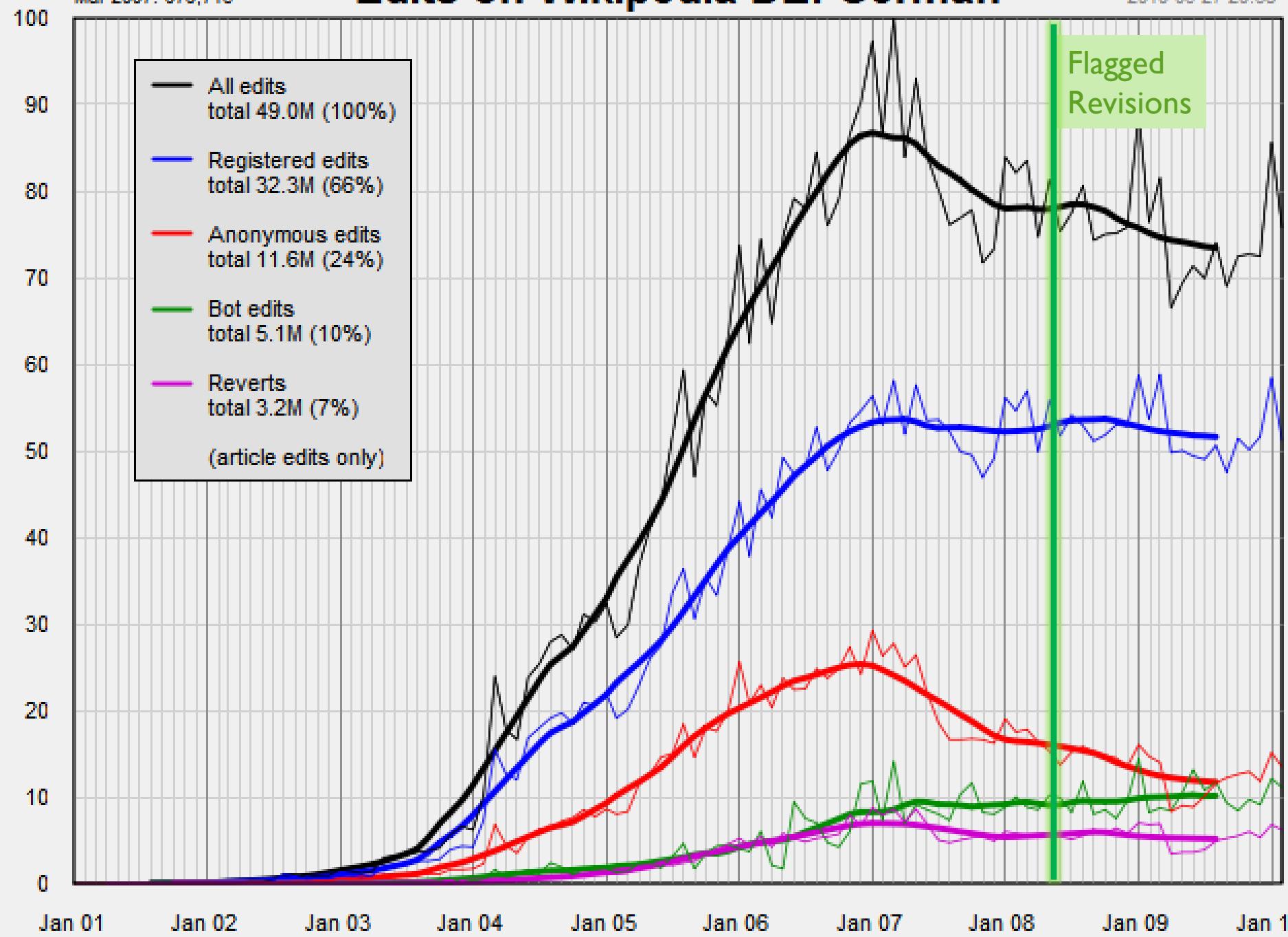
stats.wikimedia.org
2010-06-27 20:38



100 = max edits in
Mar 2007: 979,716

Edits on Wikipedia DE: German

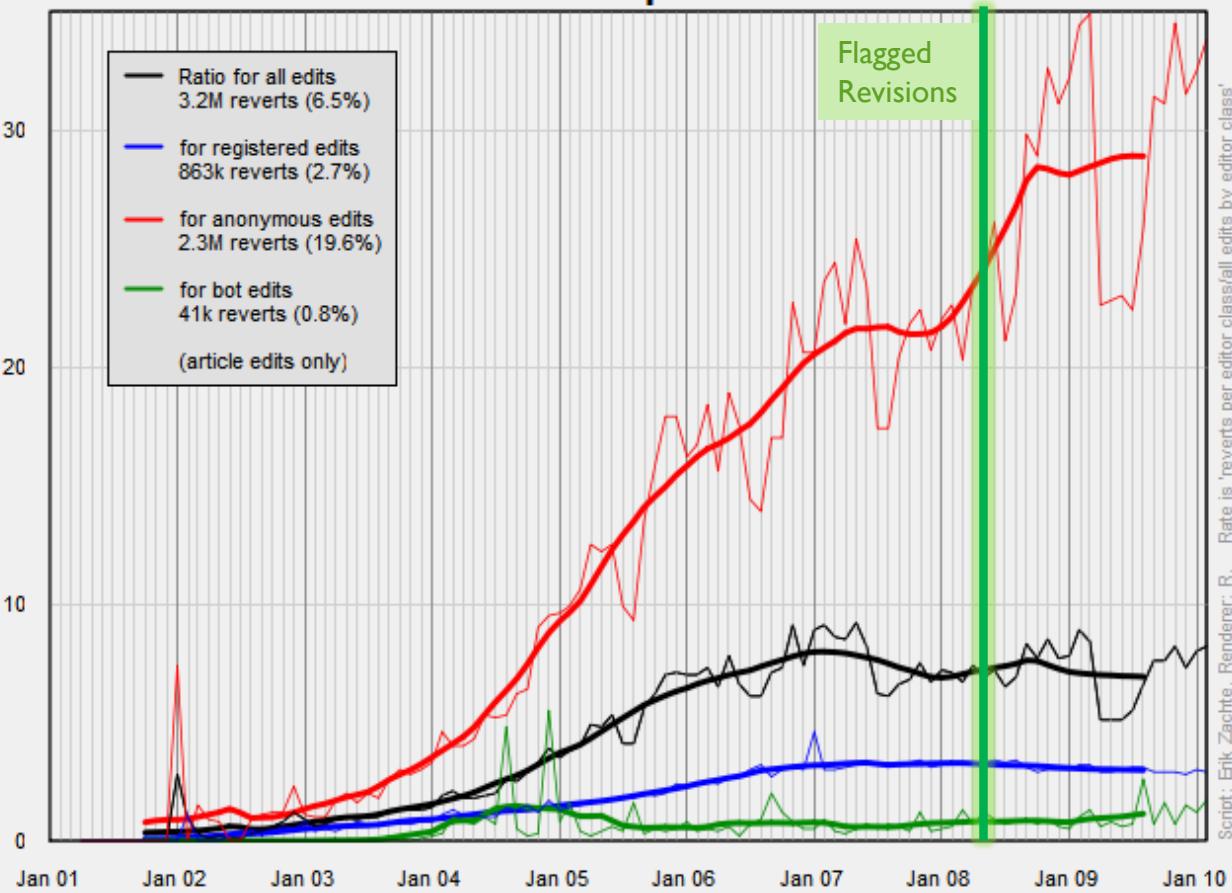
stats.wikimedia.org
2010-06-27 20:38



percentage reverted

Revert ratio on Wikipedia DE: German

stats.wikimedia.org
2010-07-19 20:22

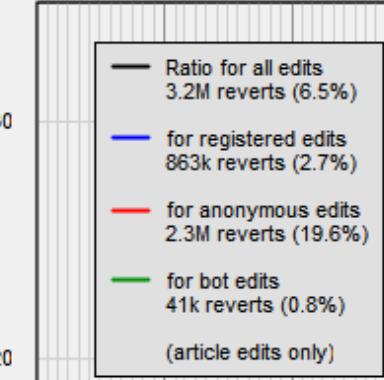


Revert ratio climbs

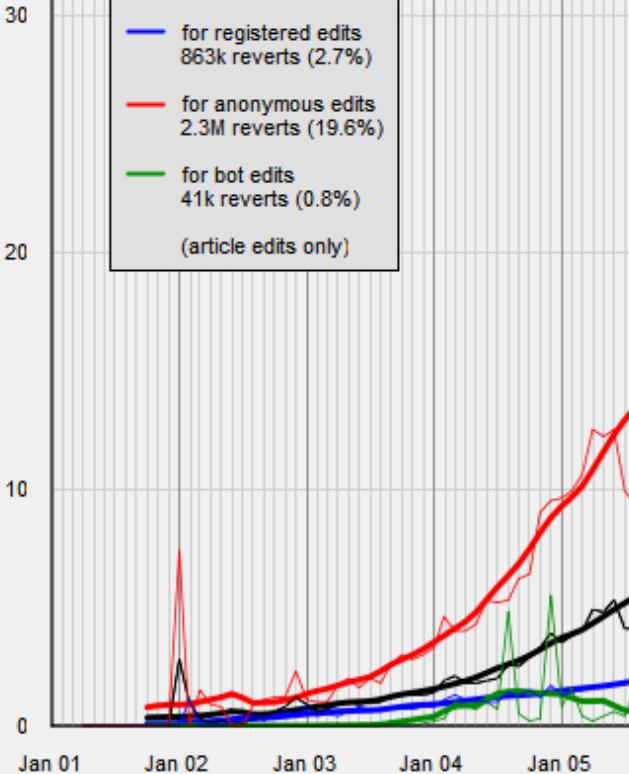
percentage reverted

Revert ratio on Wikipedia DE: German

stats.wikimedia.org
2010-07-19 20:22



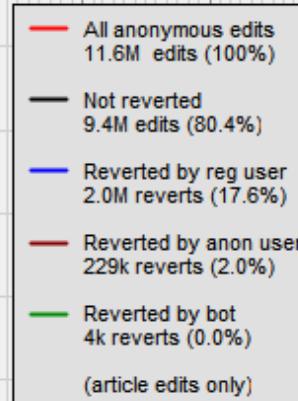
Flagged
Revisions



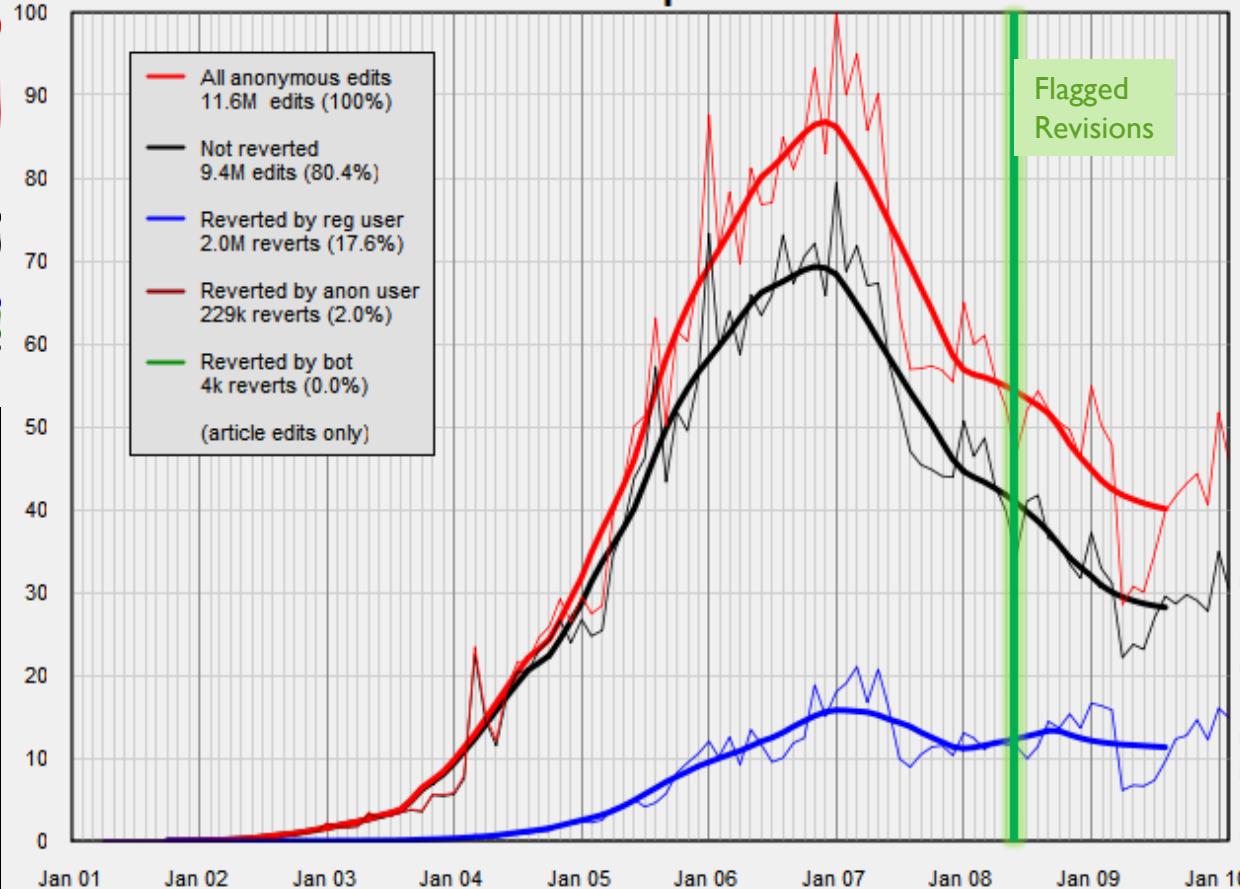
Revert ratio climbs

Anon. edits on Wikipedia DE: German

stats.wikimedia.org
2010-06-27 20:38



Flagged
Revisions



Less anon edits
Revert volume stable

Flagged Revisions on German Wikipedia

Edit-Revert charts suggest

Does it effect registered editors? **No**
(like expected)

Does it discourage vandals? **No**

Does it discourage good anon editors?
Seems not (no sudden trend changes)

Flagged Revisions / Pending Changes on all Wikipedias

Follow up with same data files

Does it shield bad content from public?

Are good contributions released timely?

Questions ?



Images from commons:

- http://commons.wikimedia.org/wiki/File:Bundesarchiv_Bild_183-27924-0001,_MTS_Magdeburg-%C3%BCdwest,_Setzen_einer_Dorfzeitung.jpg
- http://commons.wikimedia.org/wiki/File:Konrad_Plautz,_Schiedsrichter_%284%29.jpg
- http://commons.wikimedia.org/wiki/File:Canberra_-_Maltese_Flags.jpg
- http://commons.wikimedia.org/wiki/File:Wikimania_2009_-_Questions.jpg

Extra slides not shown at Wikimania

Wikistats: Articles ranked by total edit count

Wikimedia articles in any project ranked by total edit count

[Home](#)

See also [Wikimedia articles in any project ranked by uncompressed archive size](#)

Rank	Total Size	Edits	Avg bytes/Submit	Lang	Project	Article
1	1.5 Gb	642604	2500	en	wikipedia	Wikipedia:Administrator intervention against vandalism
2	117 Gb	419173	299529	en	wikipedia	Wikipedia:Administrators' noticeboard/Incidents
3	1.1 Gb	326332	3676	en	wikipedia	Wikipedia:Sandbox/Archive
4	21 Gb	290652	76102	meta	wikipedia	User:COIBot/LinkReports
5	887 Mb	257435	3612	en	wikipedia	Wikipedia:Sandbox
6	1.1 Gb	226430	5081	en	wikipedia	User:Cyde/List of candidates for speedy deletion/Subpage
7	971 Mb	217245	4686	it	wikinews	Template:Index
8	38 Gb	204223	201046	en	wikipedia	Wikipedia:Reference desk/Science
9	11 Gb	191582	63893	en	wikipedia	Wikipedia:WikiProject Spam/LinkReports
10	25 Gb	186590	146493	en	wikipedia	Wikipedia:Reference desk/Miscellaneous
11	27 Gb	184235	158032	en	wikipedia	Template talk:Did you know
12	22 Gb	169831	137117	en	wikipedia	Wikipedia:Help desk
13	4.0 Gb	164436	26054	en	wikipedia	Wikipedia:Requests for page protection
14	28 Gb	155629	193435	en	wikipedia	Wikipedia:Administrators' noticeboard
15	20 Gb	148865	146221	en	wikipedia	Wikipedia:Reference desk/Humanities
16	699 Mb	142395	5148	en	wikipedia	Wikipedia:Introduction
17	310 Mb	123317	2638	it	wikinews	Template:Currency
18	176 Mb	108792	1697	es	wikipedia	Wikipedia:Zona de pruebas
19	22 Gb	103150	227595	nl	wikipedia	Wikipedia:De kroeg
20	210 Mb	92448	2387	en	wikipedia	Wikipedia:Usernames for administrator attention

Wikistats: Articles ranked by total edit count

Wikimedia articles in any project ranked by total edit count

[Home](#)

See also [Wikimedia articles in any project ranked by size](#)

Rank	Total Size	Edits	Avg bytes/Submit	Lang
1	1.5 Gb	642604	2500	en
2	117 Gb	419173	299529	en
3	1.1 Gb	326332	3676	en
4	21 Gb	290652	76102	meta
5	887 Mb	257435	3612	en
6	1.1 Gb	226430	5081	en

intervention against vandalism

Project	wikipedia	Wikipedia:Administrator intervention against vandalism
wikipedia	wikipedia	Wikipedia:Administrators' noticeboard/Incidents
wikipedia	wikipedia	Wikipedia:Sandbox/Archive
wikipedia	wikipedia	User:COIBot/LinkReports
wikipedia	wikipedia	Wikipedia:Sandbox
wikipedia	wikipedia	User:Cyde/ list of candidates for speedy deletion/Subpage

Rank	Total Size	Edits	Avg bytes/Submit	Lang
7				
8	Total	Edits	Avg bytes/Submit	Lang
9	Size			
10				
11	1.5 Gb	642604	2500	en
12				
13	117 Gb	419173	299529	en
14				
15	1.1 Gb	326332	3676	en
16				
17	21 Gb	290652	76102	meta
18				
19				
20				

Breakdowns

Reverted editor		Revert by		Self revert	
Reg user	26.8%	Reg user	22.3%	Self	3.4%
		Anon user	3.5%	Others	18.9%
		Bot	1.0%		
Anon user	72.0%	Reg user	56.8%		
		Anon user	10.2%	Self	5.3%
		Bot	5.0%		
Bot	1.2%	Reg user	0.5%		
		Anon user	0.3%		
		Bot	0.3%	Self	0.2%
Reg = registered, Anon = anonymous				Others	0.2%

but percentages are
article namespace only

05	2004	2003	2002	2001
9%	6.1%	7.5%	11.6%	10.4%
0%	25.1%	30.4%	25.9%	27.3%
3%	4.3%	4.7%	6.9%	8.5%
3%	0.3%	0.0%	-	-
0%	51.7%	45.7%	38.4%	38.8%
5%	7.7%	8.5%	10.5%	9.6%
9%	3.1%	2.4%	6.3%	3.4%
0%	0.1%	0.2%	0.1%	1.3%
4%	0.9%	0.2%	0.3%	0.6%
0%	0.0%	0.0%	0.0%	-
1%	0.8%	0.4%	-	-
0%	0.0%	0.0%	-	-

totals reverts per year

419 k	4.8 M	5.7 M	5.5 M	3.7 M	978 k	201 k	36 k	6 k	469
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