



Distributed Computing
Spring 2018

D A T A S E T

Data: complete Wikipedia edit history (up to January 2008)

Size:

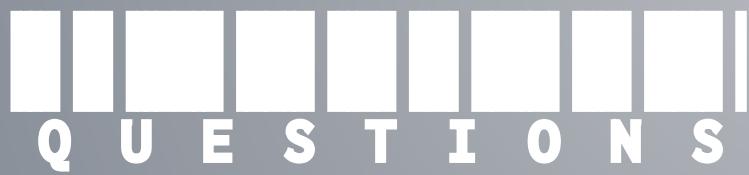
~8 GB bzipped file
~290 GB unzipped

Source:



Variables:

- REVISION
 - article_id rev_id article_title timestamp [ip:]username user_id
- CATEGORY
 - list of categories
- IMAGE
 - list of images (each listed as many times as it occurs)
- MAIN through OTHER
 - cross-references to pages in other namespaces
- EXTERNAL
 - hyperlinks to pages outside Wikipedia
- TEMPLATE
 - list of all templates (each listed as many times as it occurs)
- COMMENT
 - contains the comments as entered by the author
- MINOR
 - whether the edit was marked as minor by the author
- TEXTDATA
 - word count of revision's plain text



Q U E S T I O N S



WIKIPEDIA

The Free Encyclopedia

The lifecycle of a page

- Can we cluster life cycles?
- What were the most revised articles of all time?

Categories

- What attributes of article edit behavior can we glean from article categories?
- How does edit behavior reflect major events in news, culture, tech, or history?





01

Subset the data

We began with a small sample of the data.





DATA



INGESTION

Mr. Job!

Since our questions revolved around the life cycle of an article. We needed to grab all of the revisions for individual articles.

MRJob to grab unique articleID's

Sampling 1000 Random Article IDs

We selected a random sample of 1000 article IDs and used MRJob to grab all of the revisions for each of those 1000 article IDs.



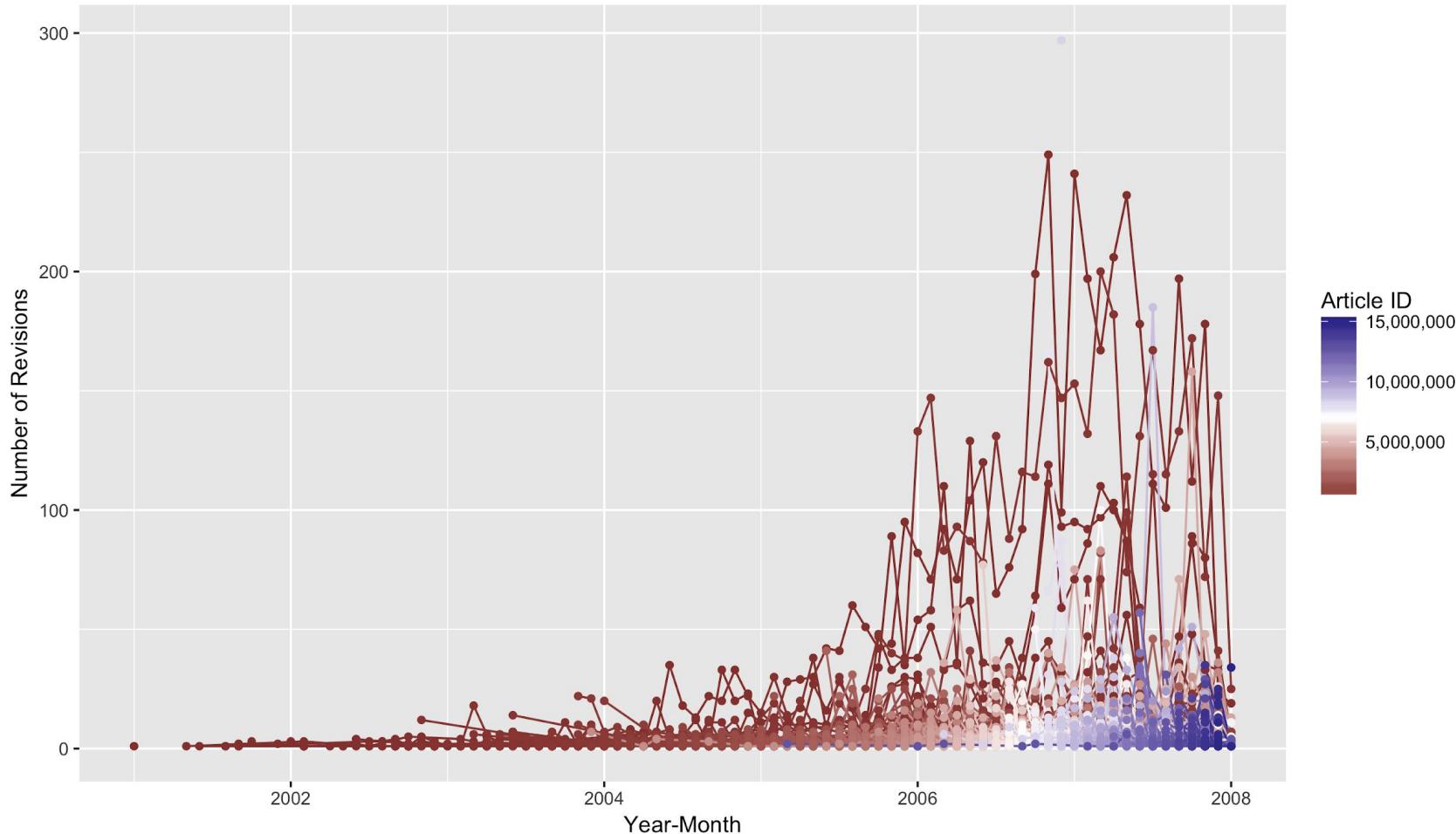
02

Create timelines

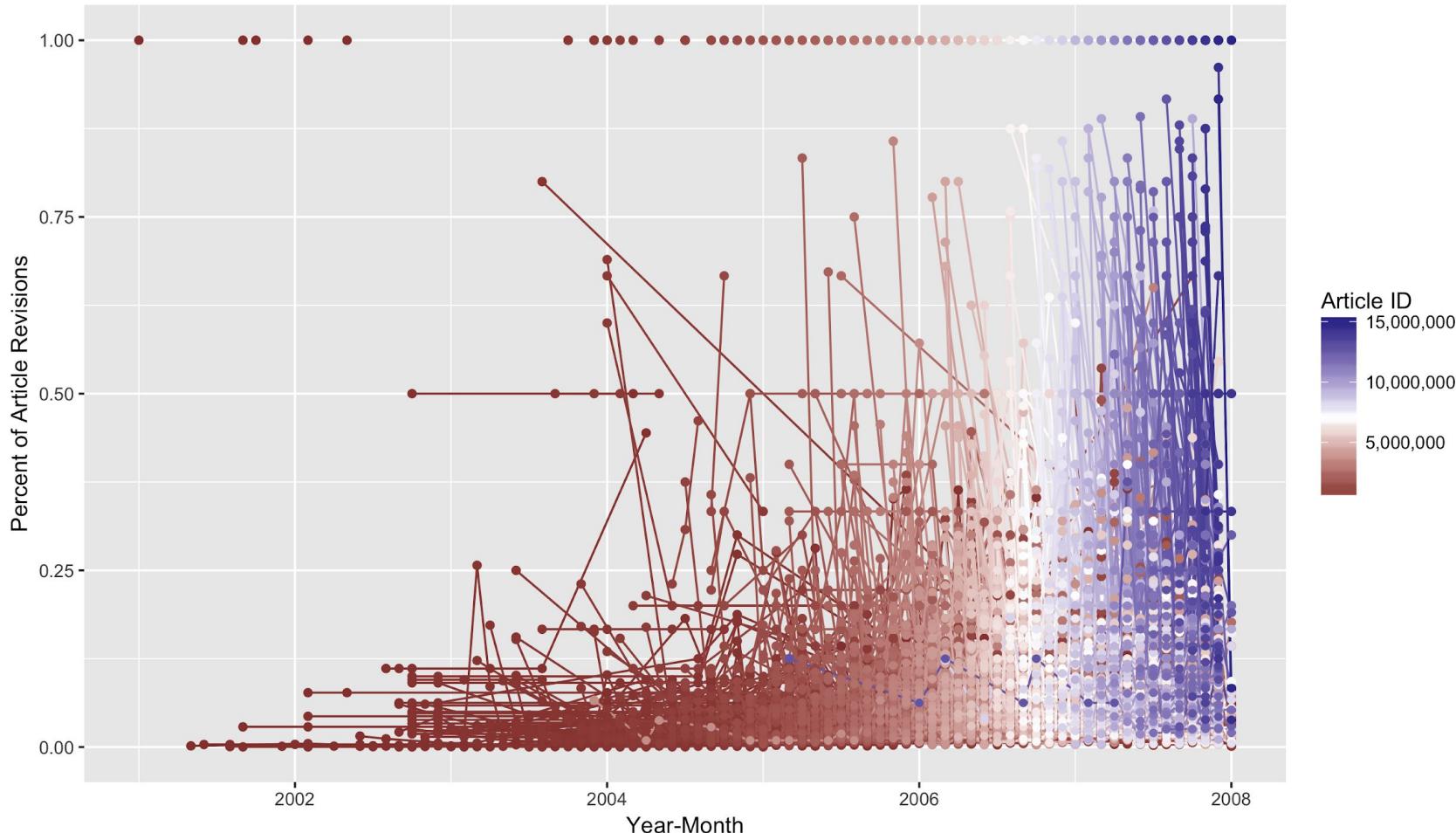
Use the subsample to create timelines in R to begin visual inspection for timeline clustering



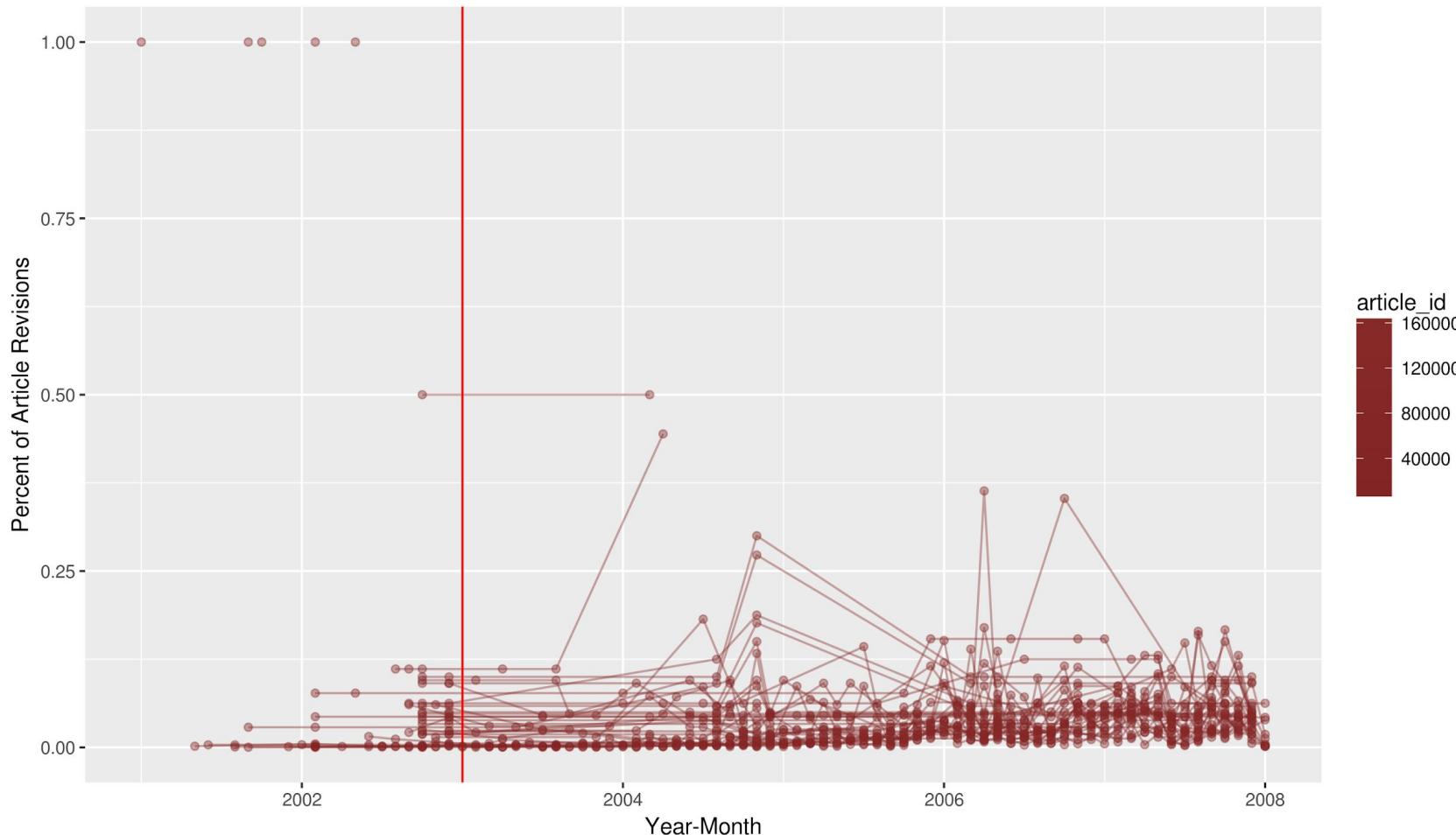
Revisions by Month for 1000 Sampled Article IDs (2001-2008)



Revisions Per Month Normalized by Total Revisions for 1000 Sampled Article IDs (2001-2008)



Revisions Per Month Normalized by Total Revisions for Pre-2003 Articles from First Sample





01

Sample pre-2003 articles

In order to compare timelines, sample articles that had been around long enough.



Sampling 1000 Random Pre-2003 Article IDs

MRJob to find article IDs that had a first revision before January, 2003.

We selected a random sample of 1000 pre-2003 article IDs and used MRJob to grab all of the revisions for each of those 1000 article IDs.

We also set up a job to grab all of the revisions for all of these pre-2003 articles.



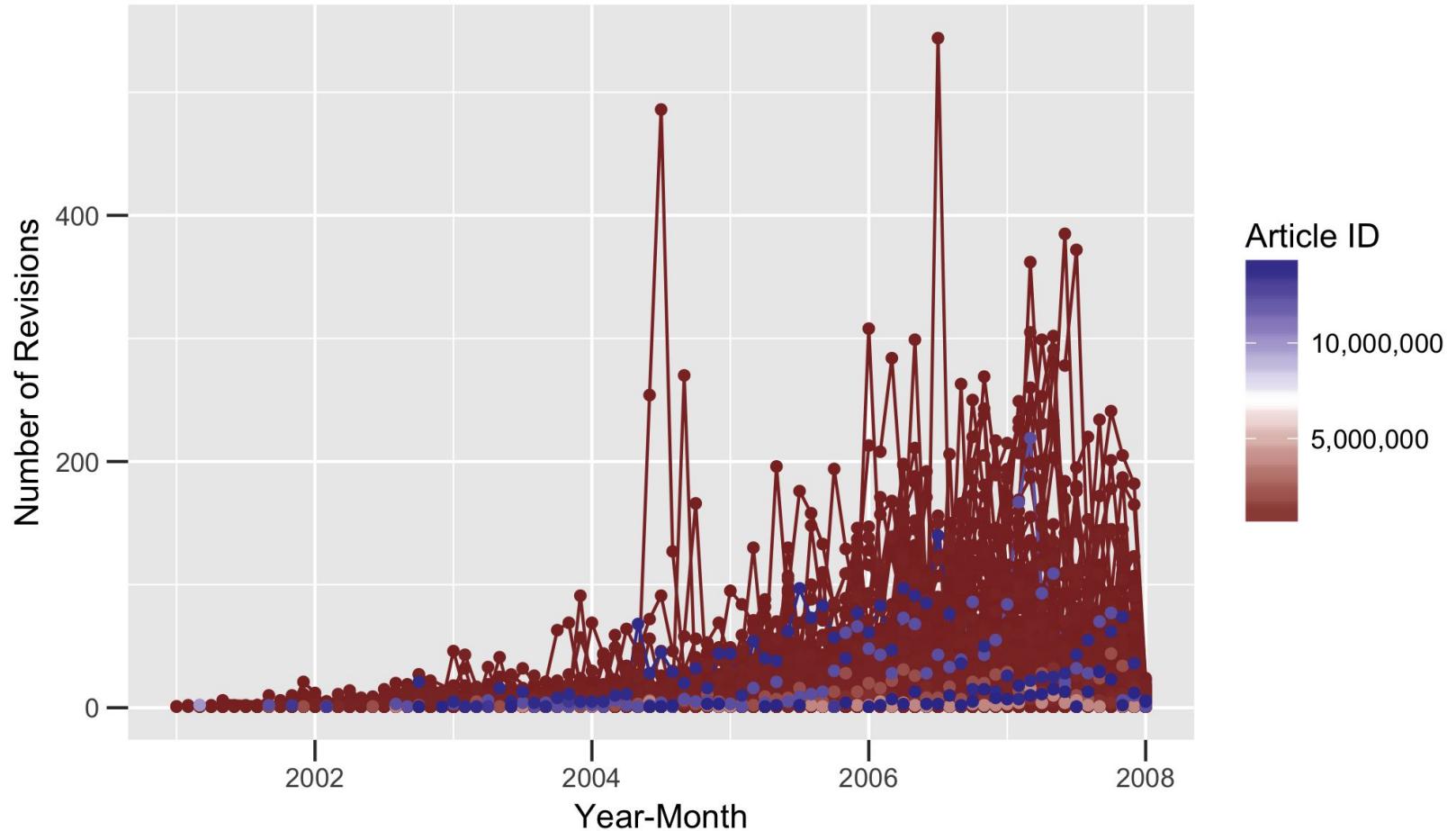
02

Create timelines of 1000 pre-2003 articles

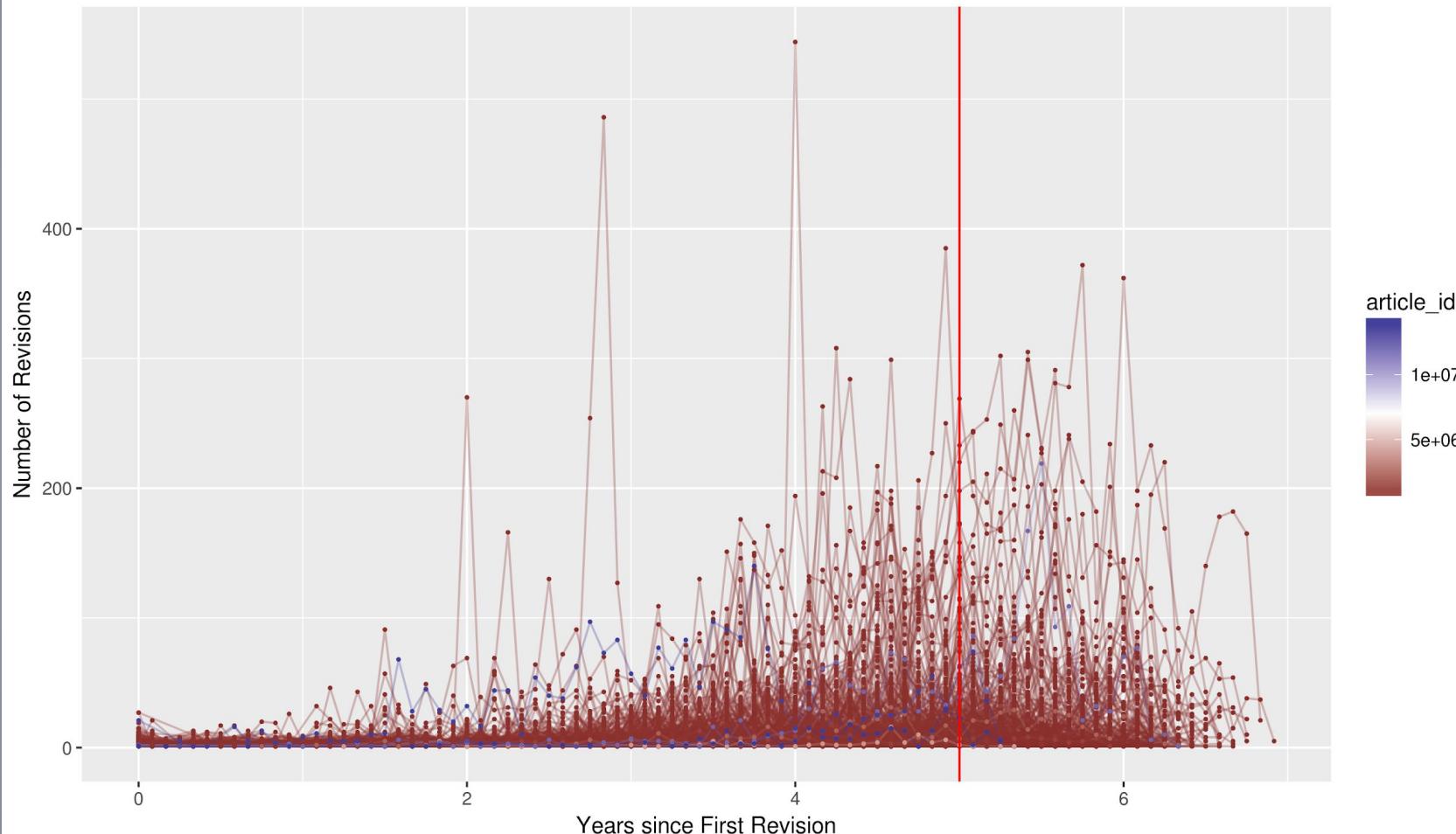
Use a sample of 1000 article id's to create timelines and begin visual inspection.



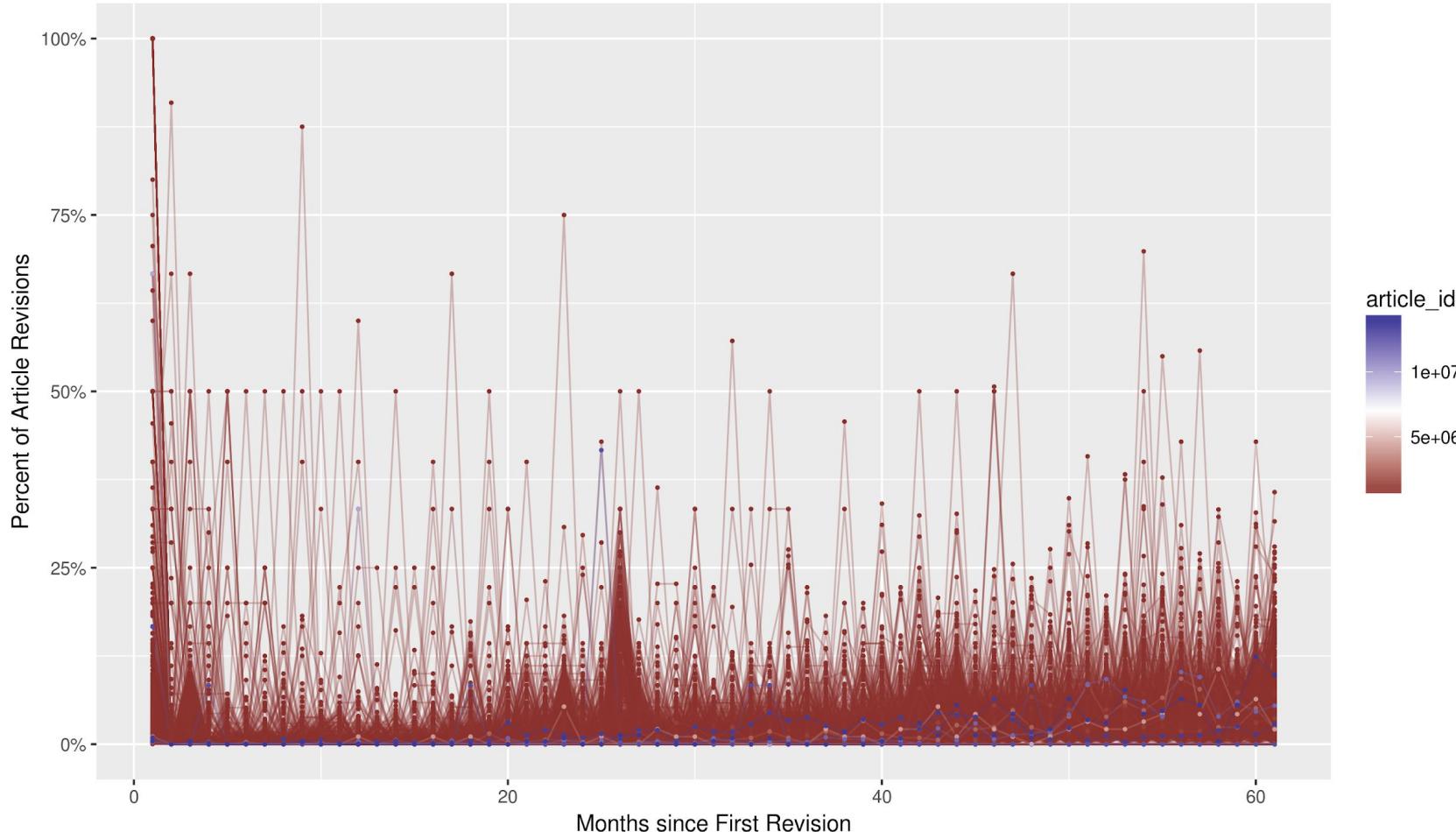
Number of Revisions for Each Article by Month from 2001 to 2008



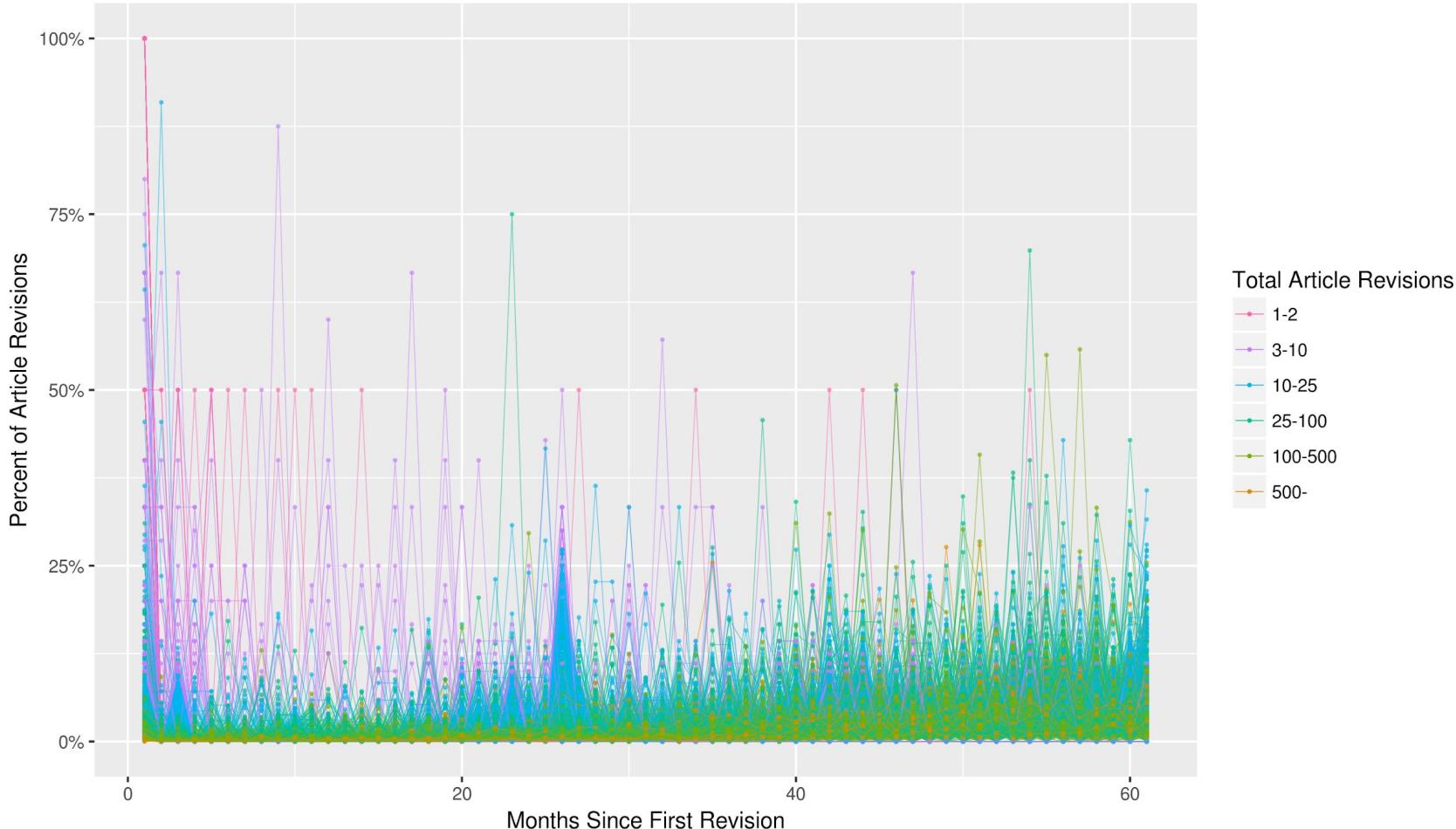
Number of Revisions for Each Article by Month Since First Revision



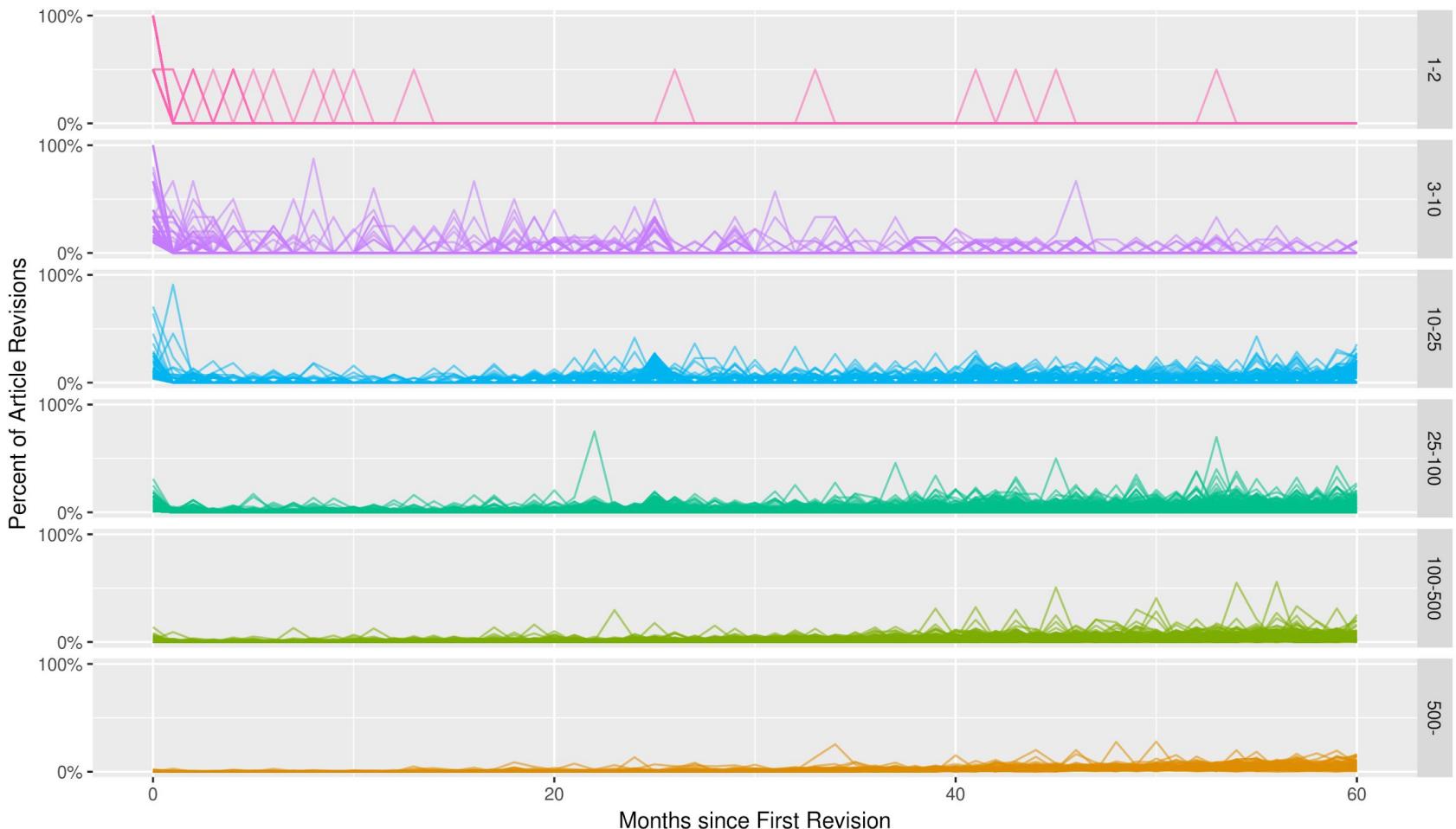
Percent of Revisions for Each Article by Month Since First Revision



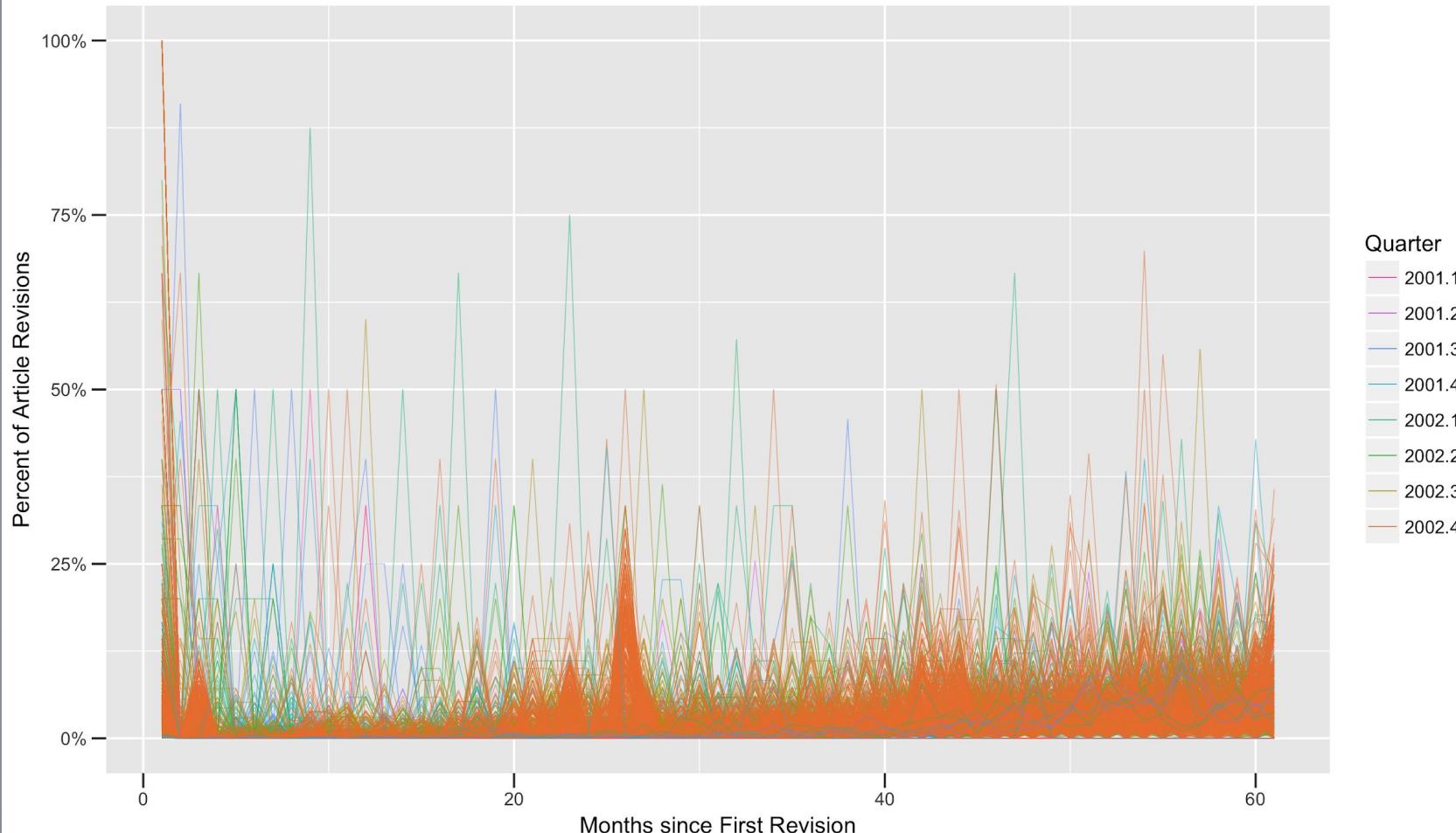
Total Article Revisions Normalized by First Revision Date



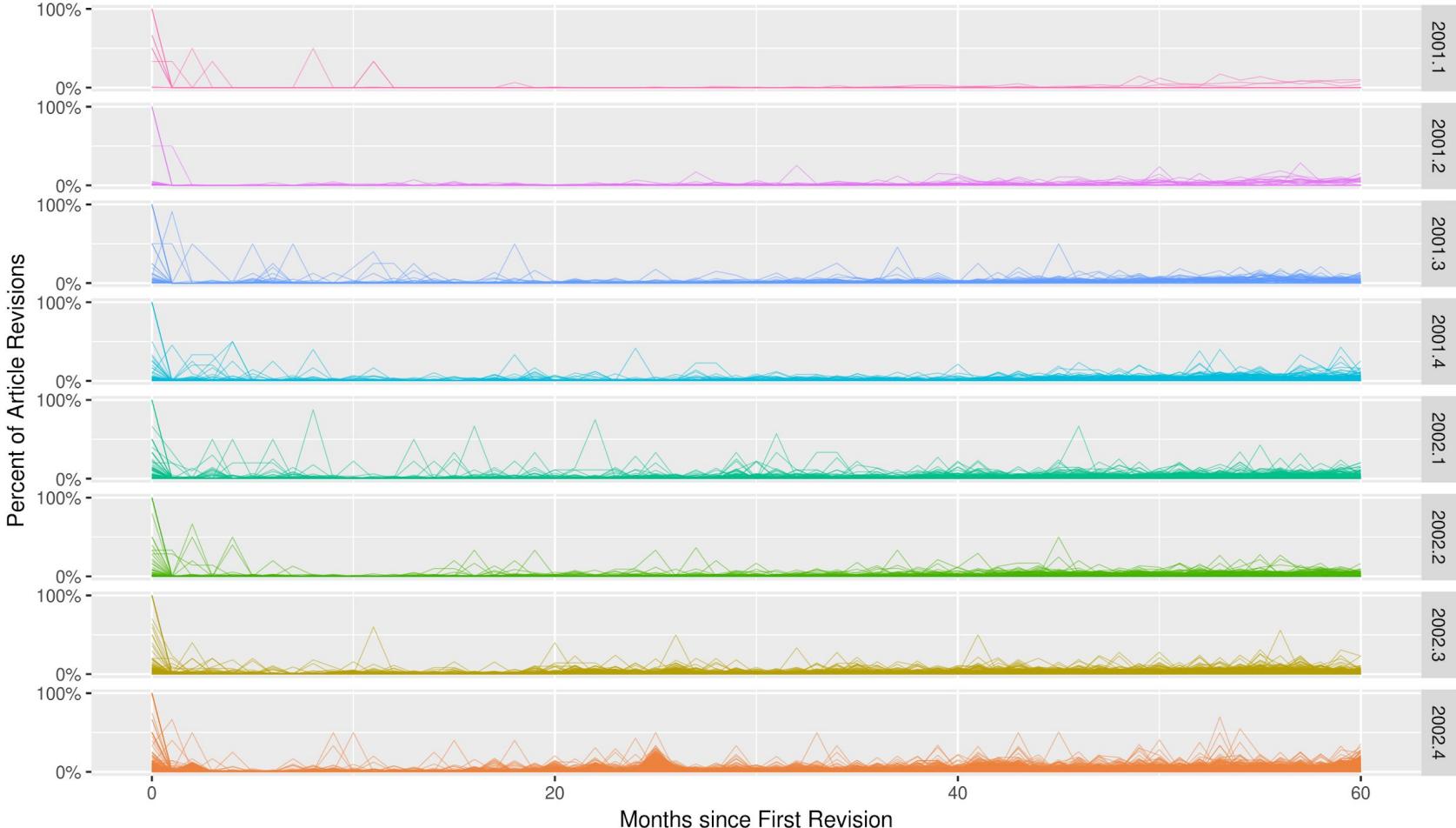
Percent of Article Revisions by Month Since First Revisions binned by Total Number of Revisions



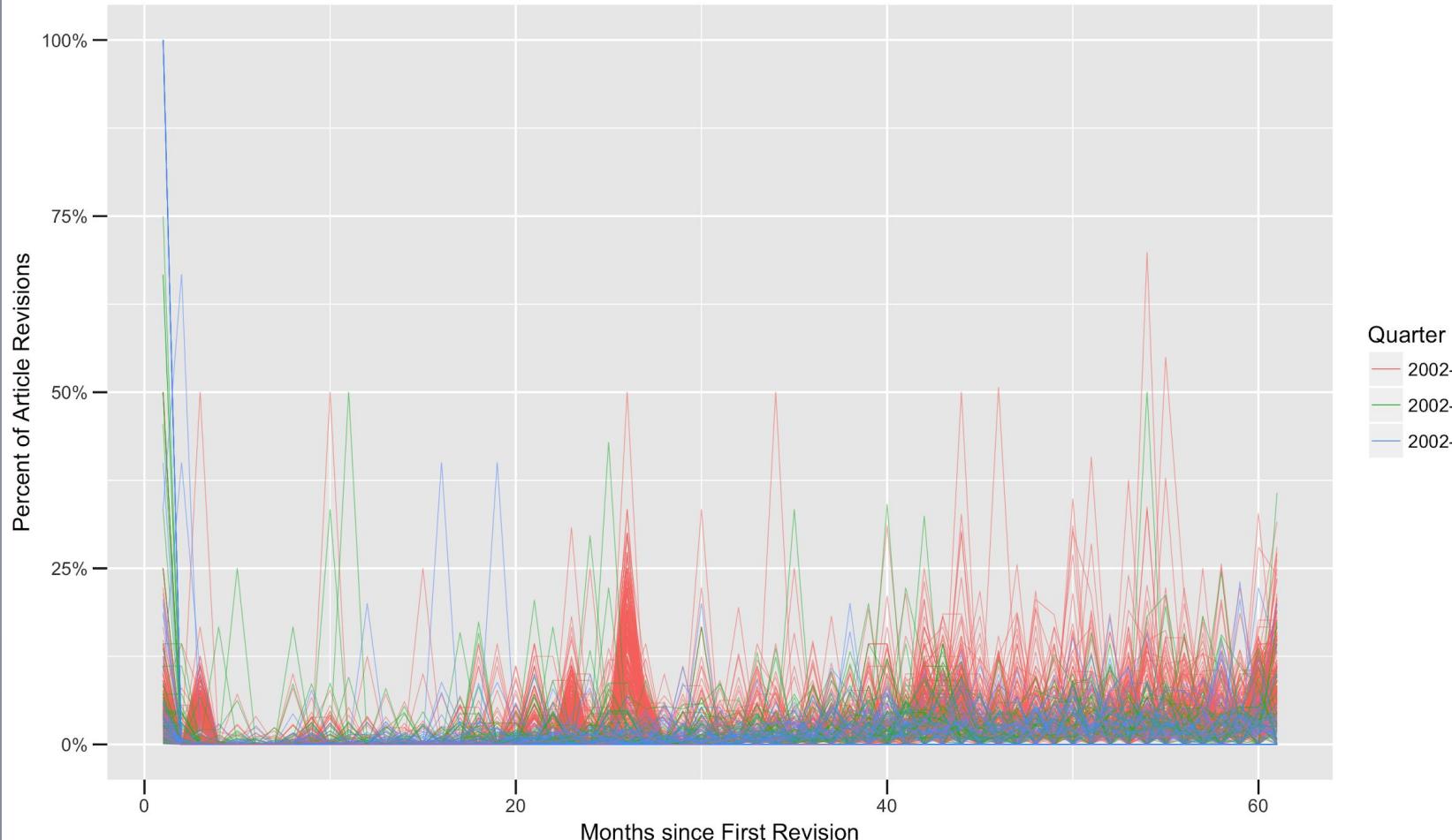
Percent of Articles by Month Since Created



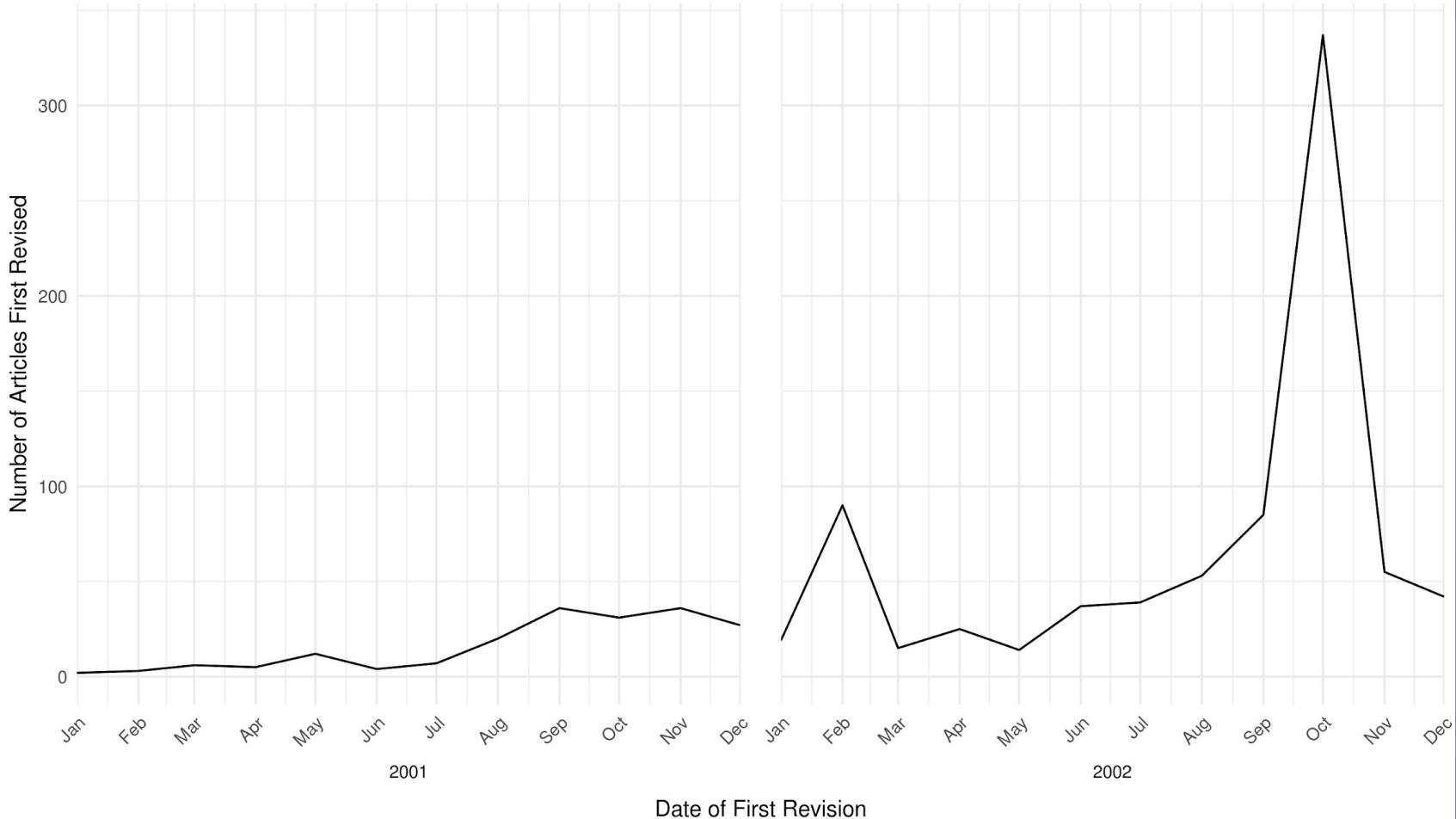
Percent of Article Revisions by Month Since First Revision binned by Fiscal Quarter



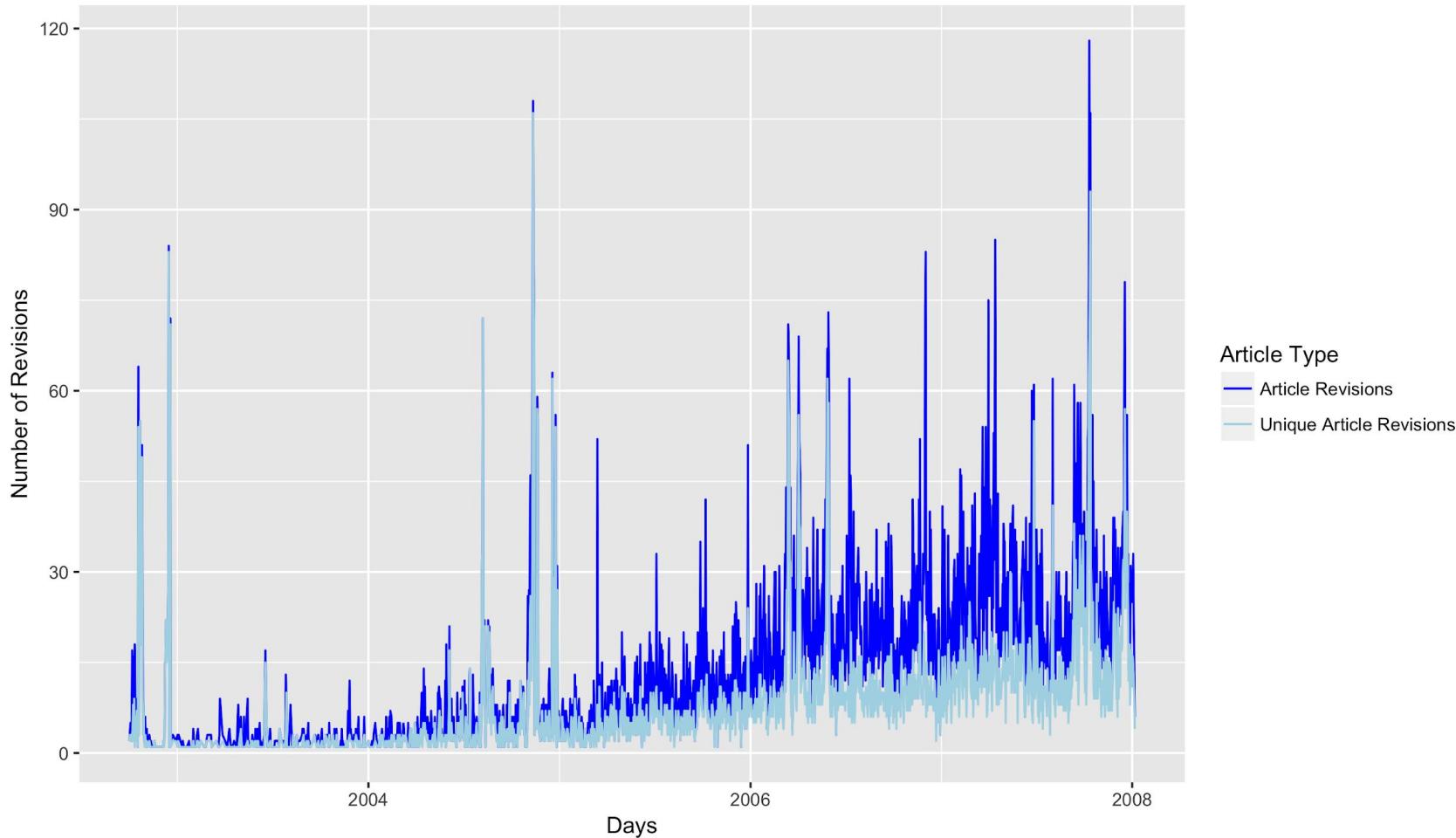
Percent of Articles by Month Since Created (Last Quarter)



Number of First Article Revisions per Month



Behavior of Articles First Revised in October 2002



Classmates, Guess!

- Why were so many articles first revised in October 2002?
- And what happened to those same articles in late 2004?

[1] "Parvati"	"System-on-a-chip"	"People_in_systems_and_control"
[4] "Full-spectrum_dominance"	"Jethro_Tull_(agriculturist)"	"Bongil_Bongil_National_Park"
[7] "Bouddi_National_Park"	"Cottan-Bimbang_National_Park"	"Fortis_Creek_National_Park"
[10] "Mount_Nothofagus_National_Park"	"New_England_National_Park"	"Douglas_Apsley_National_Park"
[13] "Bound_for_Glory_(film)"	"De\\u015fteapt\\u0103-te,_rom\\u00e2ne!"	"Peak_Charles_National_Park"
[16] "Wilhelmina_of_the_Netherlands"	"Board_of_Longitude"	"Chattanooga,_Tennessee"
[19] "Bure_Valley_Railway"	"Scouting_in_Hawaii"	"Scouting_in_Tennessee"
[22] "Palmerston_Rocks_National_Park"	"Paul_Morrissey"	"List_of_historians"
[25] "Fulton,_Alabama"	"Rockford,_Alabama"	"Level_Plains,_Alabama"
[28] "Pine_Ridge,_Alabama"	"Attalla,_Alabama"	"Gules"
[31] "Nightmute,_Alaska"	"Tatitlek,_Alaska"	"Summit,_Arizona"
[34] "Bentonville,_Arkansas"	"Kibler,_Arkansas"	"Bodaw,_Arkansas"
[37] "Clearlake_Oaks,_California"	"Hidden_Valley_Lake,_California"	"Mill_Valley,_California"
[40] "Storrie,_California"	"Cathedral_City,_California"	"Lakeview,_California"
[43] "Farmington,_California"	"Corralitos,_California"	"Woodland,_California"
[46] "Alamosa_East,_Colorado"	"Marble,_Colorado"	"Viola,_Delaware"
[49] "Matlacha_Isles-Matlacha_Shores,_Florida"	"St._James_City,_Florida"	"Sweetwater,_Florida"
[52] "Key_Colony_Beach,_Florida"	"Inwood,_Florida"	"Crescent_Beach,_Florida"
[55] "Live_Oak,_Florida"	"Sopchoppy,_Florida"	"Conley,_Georgia"
[58] "Newnan,_Georgia"	"McCaysville,_Georgia"	"Sugar_Hill,_Georgia"
[61] "Sycamore,_Georgia"	"Driggs,_Idaho"	"Ashland,_Illinois"
[64] "Harvey,_Illinois"	"Indian_Head_Park,_Illinois"	"Palos_Park,_Illinois"
[67] "Pyroxene"	"Lomax,_Illinois"	"St._Anne,_Illinois"
[70] "Cedar_Point,_Illinois"	"Dana,_Illinois"	"Irving,_Illinois"
[73] "Dalton_City,_Illinois"	"Pleasant_Hill,_Illinois"	"Buffalo,_Illinois"
[76] "Flora,_Indiana"	"Patoka,_Indiana"	"Jonesboro,_Indiana"
[79] "Hobart,_Indiana"	"Stinesville,_Indiana"	"Valparaiso,_Indiana"
[82] "Sharpsville,_Indiana"	"Campbellsville,_Indiana"	"St._Olaf,_Iowa"
[85] "Pontius_Pilate"	"Djoser"	"Monarch_of_China"
[88] "The_Hitch-Hiker_(The_Twilight_Zone)"	"This_Broken_Heart"	"Maquoketa,_Iowa"
[91] "Robins,_Iowa"	"Earlham,_Iowa"	"Delphos,_Iowa"
[94] "Panama,_Iowa"	"Rose_Hill,_Kansas"	"Protection,_Kansas"
[97] "Longton,_Kansas"	"Scranton,_Kansas"	"Chase,_Kansas"
[100] "Burlington,_Kentucky"	"Ewing,_Kentucky"	"Supreme,_Louisiana"
[103] "Maringouin,_Louisiana"	"Fenton,_Louisiana"	"Violet,_Louisiana"
[106] "Morgan_City,_Louisiana"	"Nashville_Plantation,_Maine"	"Orient,_Maine"
[109] "Raymond,_Maine"	"Rockport,_Maine"	"Sebec,_Maine"
[112] "The_Forks,_Maine"	"Belmont,_Maine"	"Roque_Bluffs,_Maine"
[115] "Maryland_City,_Maryland"	"Kingsville,_Maryland"	"Middle_River,_Maryland"
[118] "Braddock_Heights,_Maryland"	"Havre_de_Grace,_Maryland"	"Darnestown,_Maryland"
[121] "Camp_Springs,_Maryland"	"Forest_Heights,_Maryland"	"Monomoscoy_Island,_Massachusetts"
[124] "Spurr_Township,_Michigan"	"Portsmouth_Township,_Michigan"	"Matteson_Township,_Michigan"
[127] "Holt,_Michigan"	"Burleigh_Township,_Michigan"	"Eden_Township,_Lake,_Michigan"
[130] "Hadley_Township,_Michigan"	"Onsted,_Michigan"	"Genoa_Township,_Michigan"



03

Geography titles as far as the eye can see.

What are all these geography articles? Why did they show up simultaneously in Oct 2002. Why were they revised in late April?



DISCOVERY OF THE BOTS

- After noticing all of the city and township articles, we manually checked the revision history for one of those articles.

Live Oak, FL

- (cur | prev) ○ 12:13, 5 August 2004 KevinBot (talk | contribs) m . . (2,496 bytes) (+179) . . (KevinBot fixing of Rambot links.) (undo)
- (cur | prev) ○ 03:08, 17 June 2003 Rambot (talk | contribs) . . (2,317 bytes) (+114) . . (Added county seat reference and/or updated incorrect wording.) (undo)
- (cur | prev) ○ 16:00, 10 December 2002 Rambot (talk | contribs) m . . (2,203 bytes) (+70) . . (misc updates) (undo)
- (cur | prev) ○ 16:22, 18 October 2002 Ram-Man (talk | contribs) . . (2,133 bytes) (+2,133) . . (geography and demographics)

Raymond, ME

- (cur | prev) ○ 23:28, 6 August 2004 KevinBot (talk | contribs) m . . (2,294 bytes) (+179) . . (KevinBot fixing of Rambot links.) (undo)
- (cur | prev) ○ 01:39, 18 December 2002 Rambot (talk | contribs) . . (2,115 bytes) (-12) . . (misc updates) (undo)
- (cur | prev) ○ 23:10, 20 October 2002 Ram-Man (talk | contribs) . . (2,127 bytes) (+2,127) . . (geography and demographics)

Kingsville, MD

- (cur | prev) ○ 01:55, 7 August 2004 KevinBot (talk | contribs) m . . (2,458 bytes) (+164) . . (KevinBot fixing of Rambot links.) (undo)
- (cur | prev) ○ 17:27, 16 May 2004 Seth Ilys (talk | contribs) . . (2,294 bytes) (+91) . . (map) (undo)
- (cur | prev) ○ 12:31, 13 December 2002 Rambot (talk | contribs) m . . (2,203 bytes) (+73) . . (misc updates) (undo)
- (cur | prev) ○ 23:30, 20 October 2002 Ram-Man (talk | contribs) . . (2,130 bytes) (+2,130) . . (geography and demographics)

Top Contributors by Total Number of Revisions

	user_name	num_rev
1	SmackBot	159322
2	Rambot	118403
3	YurikBot	79600
4	AntiVandalBot	65194
5	ClueBot	46314
6	Ram-Man	44166
7	Bluebot	42139
8	Thijs!bot	41629
9	MartinBot	41245
10	SieBot	41041
11	Detroiterbot	40606
12	Pearle	38175
13	FlaBot	34436
14	Tawkerbot2	33971
15	Mav	33230
16	Antandrus	31116
17	TXiKiBoT	29971
18	CapitalBot	29293
19	KevinBot	28843
20	Rich_Farmbrough	28506



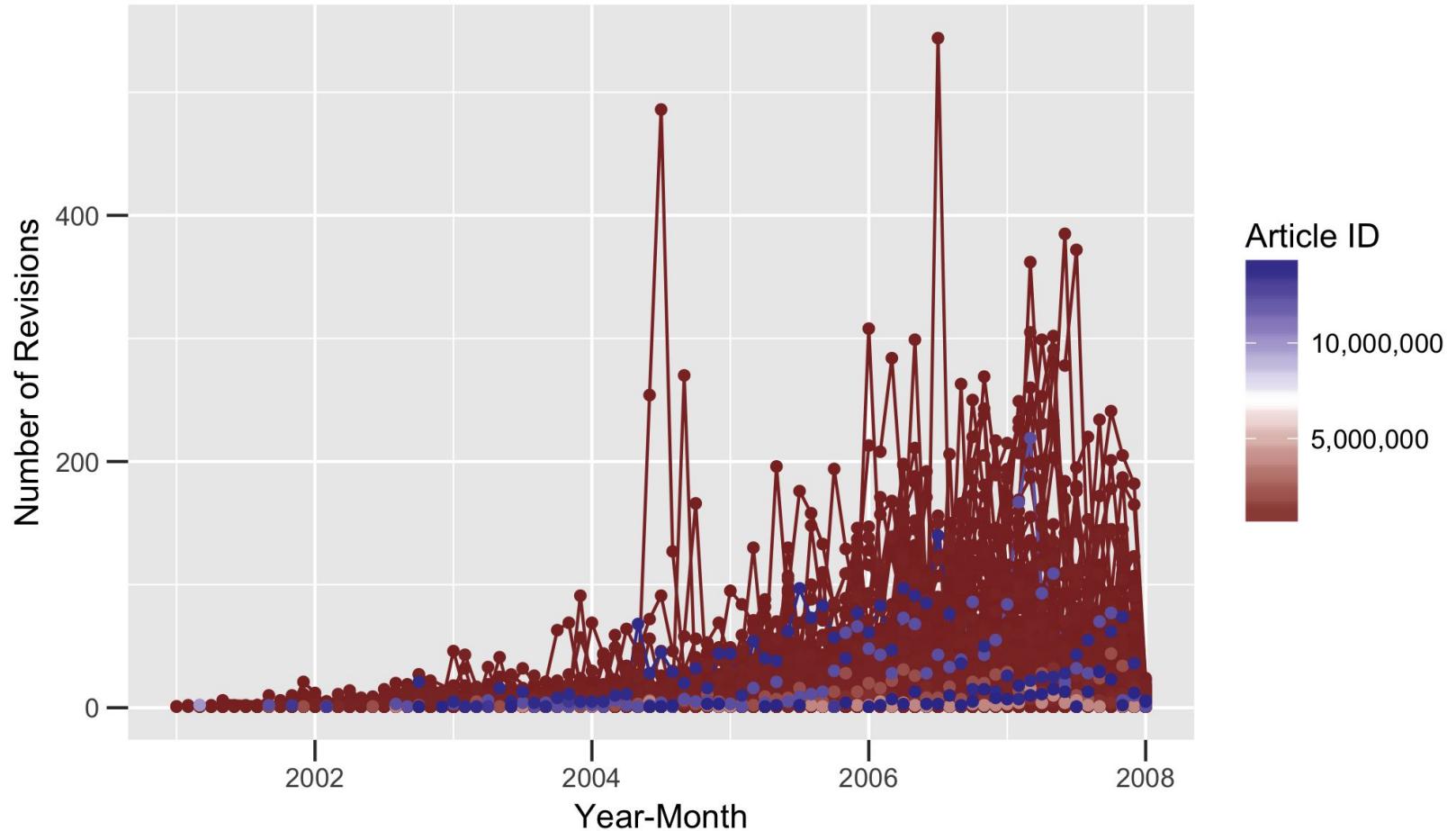
02

High Revision Articles

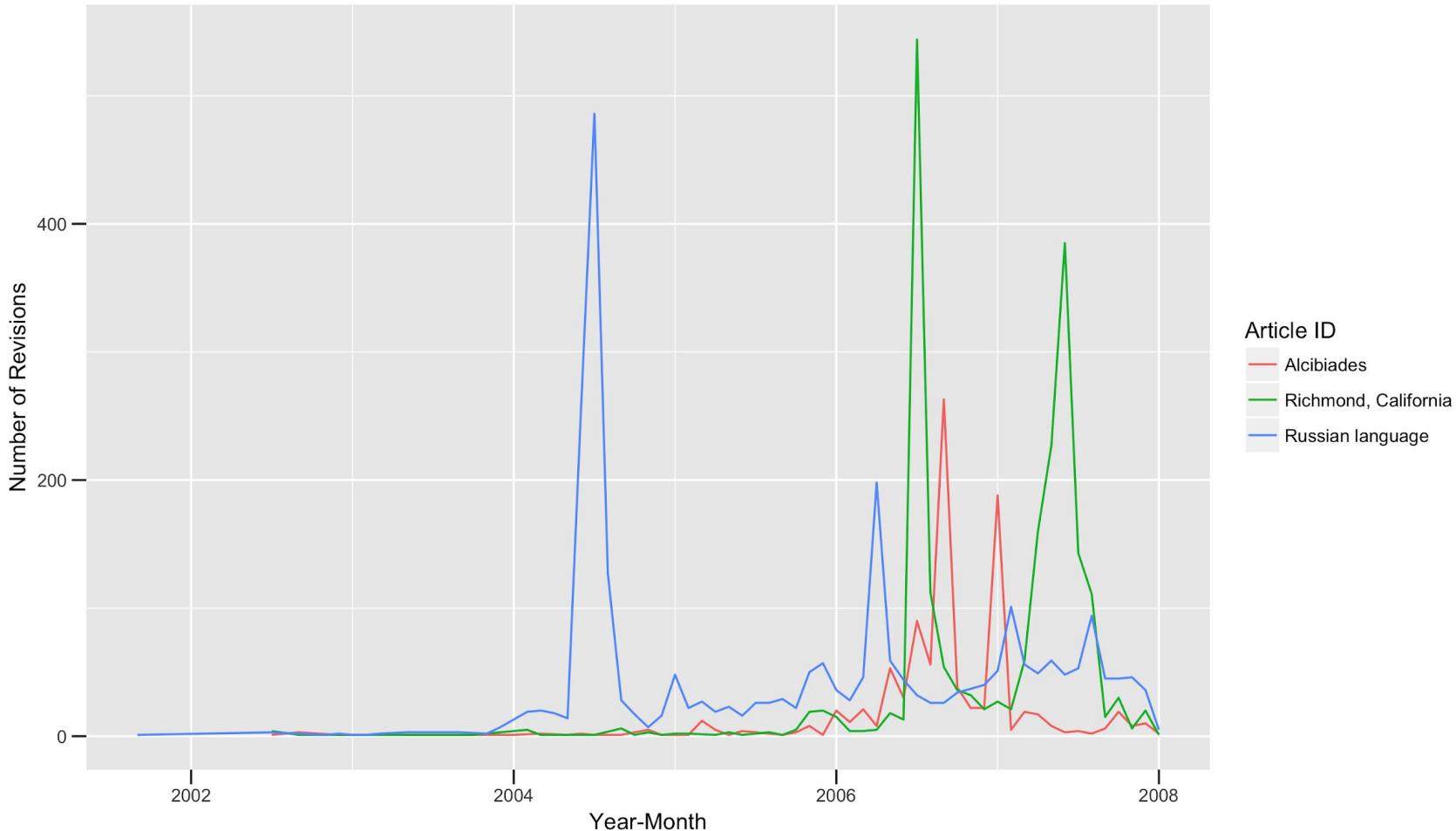
What can we learn about articles in our sample that have a very high number of revisions?



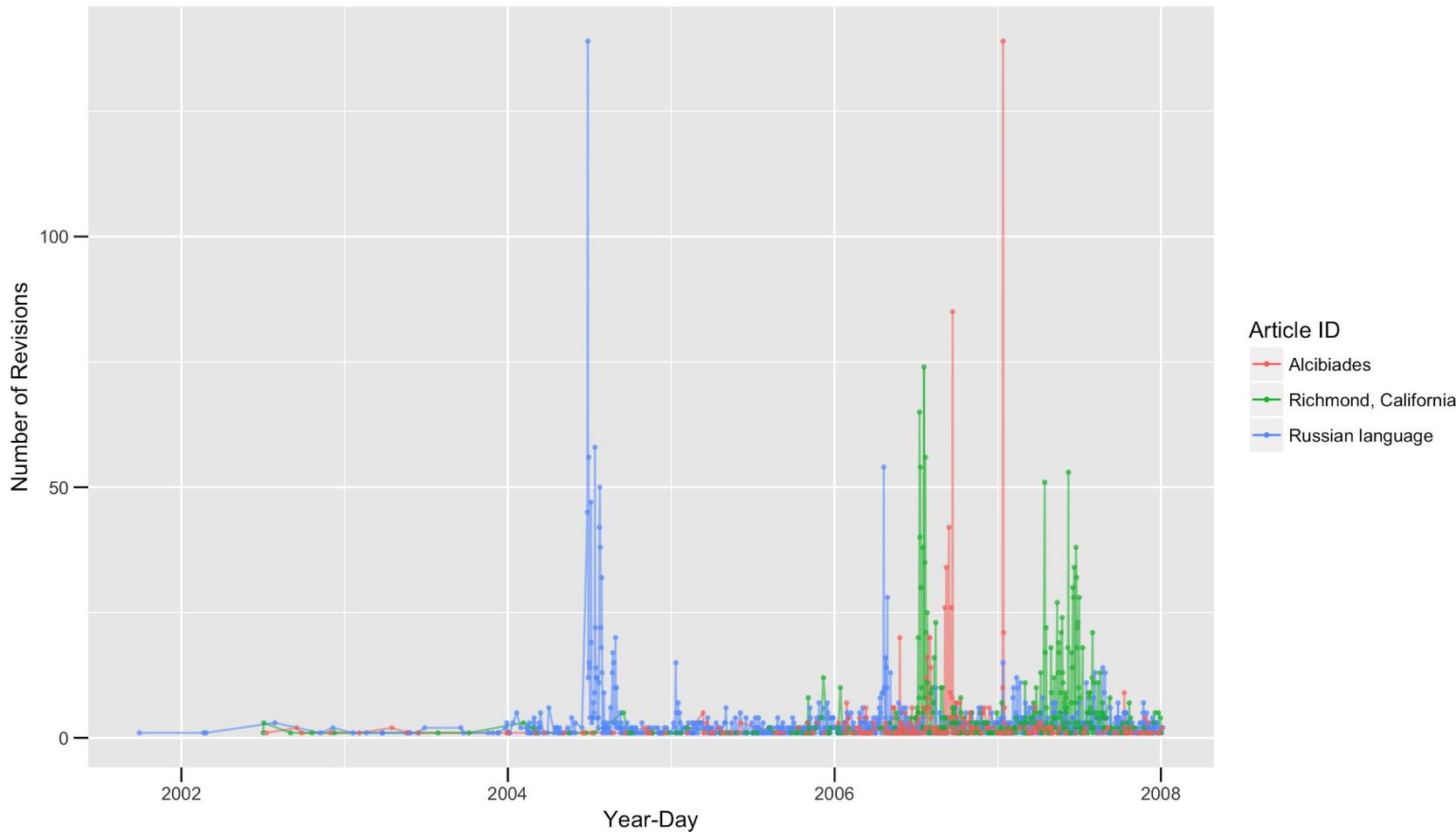
Number of Revisions for Each Article by Month from 2001 to 2008



Articles that Have High Revisions Within A Single Month



Articles that Have High Revisions Within A Single Day





03

Article Title and Date Searching

Can we determine why these articles were heavily revised on these dates?





alcibiades january 13 2007



All

News

Images

Videos

Shopping

More

Settings

Tools

About 10,700 results (0.41 seconds)

[Wikipedia:Today's featured article/January 13, 2007 - Wikipedia](https://en.wikipedia.org/wiki/Wikipedia:Today%27s_featured.../January_13,_2007)

https://en.wikipedia.org/wiki/Wikipedia:Today%27s_featured.../January_13,_2007 ▾

Alcibiades was a prominent Athenian statesman, orator, and general. The last famous member of an aristocratic family that fell from prominence after the Peloponnesian War, he played a major role in the second half of that conflict as a strategic advisor, military commander, and politician. During the course of the ...



Alcibiades



From Wikipedia, the free encyclopedia

For other uses, see [Alcibiades \(disambiguation\)](#).



This article **may be too long to read and navigate comfortably**. Please consider splitting content into sub-articles, condensing it, or adding or removing subheadings. (April 2018)

Alcibiades, son of Cleinias, from the deme of [Scambonidae](#) (/ælsɪbədæz/;[1] Greek: Ἀλκιβιάδης Κλεινίου Σκαμβωνίδης, transliterated Alkibiádēs Kleiniou Skambónidēs; c. 450–404 BC), was a prominent Athenian statesman, orator, and general. He was the last famous member of his mother's aristocratic family, the [Alcmaeonidae](#), which fell from prominence after the [Peloponnesian War](#). He played a major role in the second half of that conflict as a strategic advisor, military commander, and politician.

During the course of the Peloponnesian War, Alcibiades changed his political allegiance several times. In his native Athens in the early 410s BC, he advocated an aggressive foreign policy and was a prominent proponent of the [Sicilian Expedition](#), but he fled to Sparta after his political enemies brought charges of sacrilege against him. In Sparta, he served as a strategic adviser, proposing or supervising several major campaigns against Athens. In Sparta too, however, Alcibiades soon made powerful enemies and felt forced to defect to Persia. There he served as an adviser to the satrap Tissaphernes until his Athenian political allies brought about his recall. He then served as an Athenian general ([Strategos](#)) for several years, but his enemies eventually succeeded in exiling him a second time.

Alcibiades was a leading supporter of the [Sicilian Expedition](#), and scholars have argued that, had that expedition been under Alcibiades's command instead of that of [Nicias](#), the expedition might not have met its eventual disastrous fate.[2] In the years when he served Sparta, Alcibiades played a significant role in Athens's undoing; the capture of [Decelea](#) and the revolts of several critical Athenian subjects occurred either at his suggestion or under his supervision. Once restored to his native city, however, he played a crucial role in a string of Athenian

Alcibiades



Alcibiades Being Taught by Socrates (1776) by François-André Vincent

Born	c. 450 BC Classical Athens
------	-------------------------------



INDICATORS



01

Web Scraping Indicators

Used Beautiful Soup (python package) to scrape the indicators of each of the pre-2003 articles.



Types of Articles

- Featured Article
- Good Article
- Partially Protected - Default
- Partially Protected - Autoreview
- Spoken
- Some article IDs returned “Bad Title” errors. We indicated these articles as “Deleted Article IDs”
- And, no indicators on the page = “N/A”

*Note: these are the CURRENT INDICATORS. We do not have knowledge of when these indicators were applied to these articles.



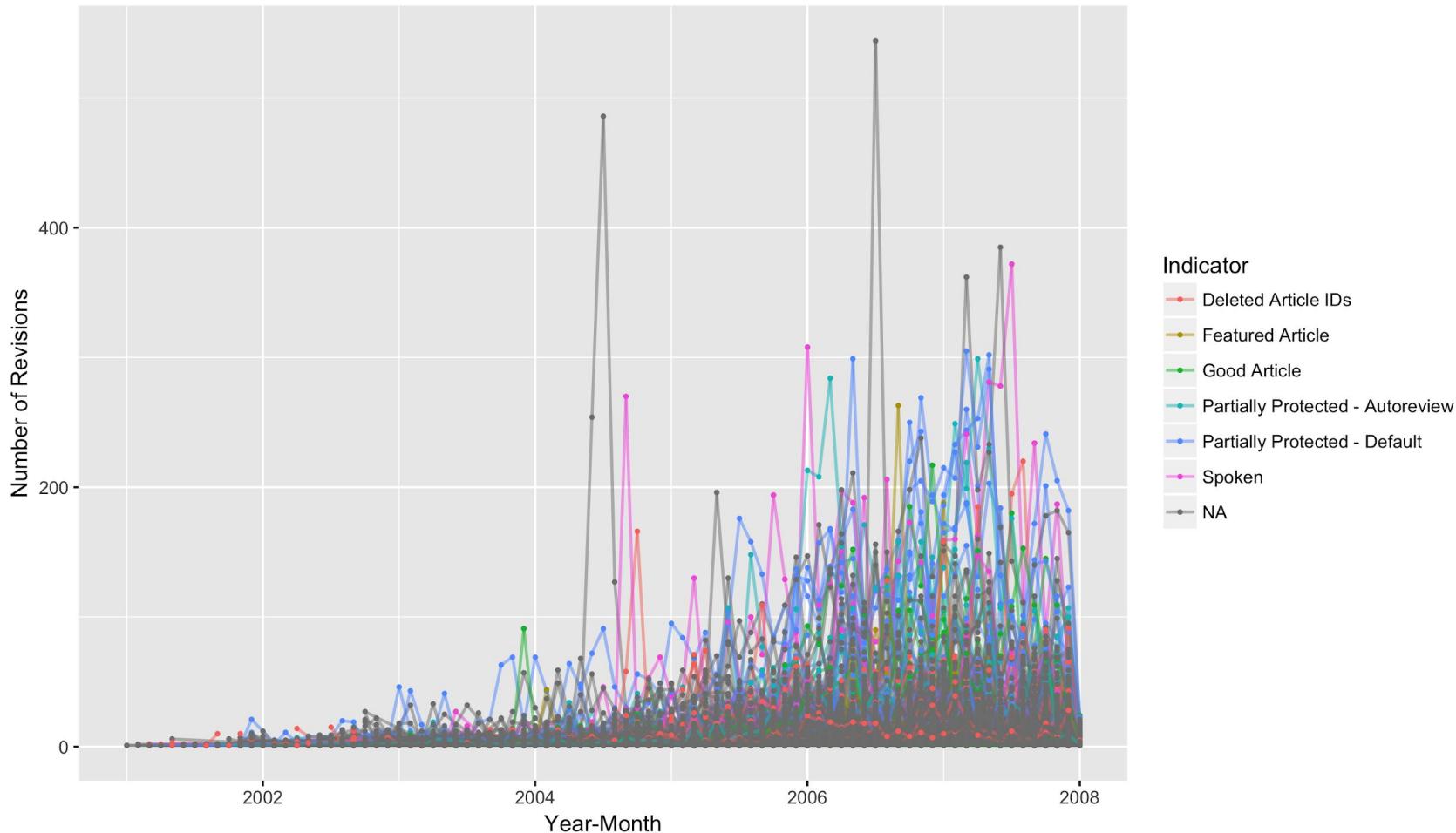
02

Visualize the Indicators in the Timelines

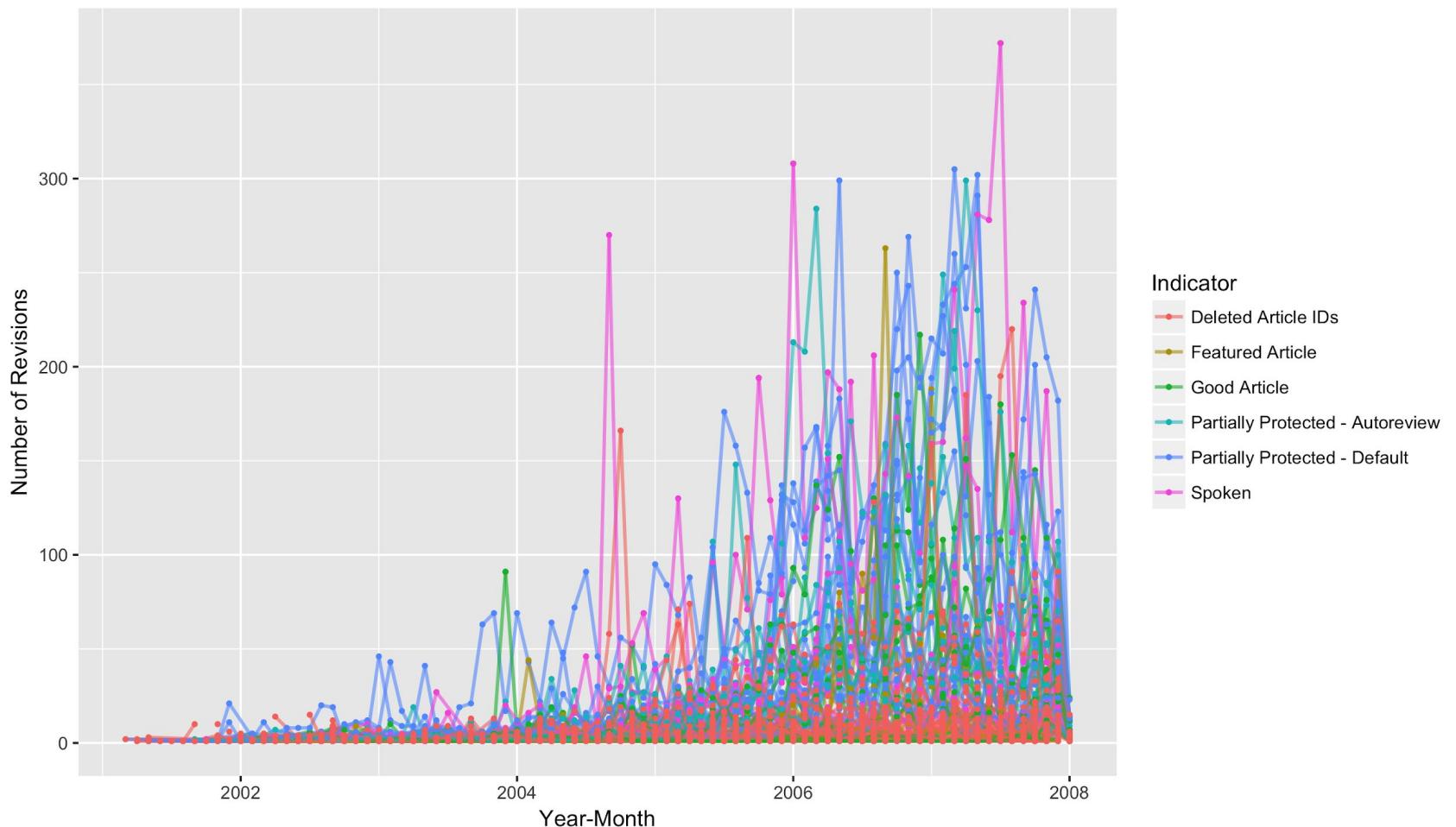
Can we see any patterns in our sample of timelines when we color by indicators?



Number of Revisions for Each Article by Month (2001-2008)



Number of Revisions for Each Article by Month (2001-2008)





03

What are “Deleted Article IDs?

Can we figure out, using the article titles, what might have happened to these articles?





C A T E G O R I E S |



Alcibiades

From Wikipedia, the free encyclopedia

For other uses, see [Alcibiades \(disambiguation\)](#).



This article may be **too long** to read and navigate comfortably. Please consider splitting content into sub-articles, condensing it, or adding or removing subheadings. (April 2018)

Alcibiades, son of Cleinias, from the deme of [Scambonidae](#) (/ælsɪ'bær.edɪz/;^[1] Greek: Ἀλκιβίαδης Κλεινίου Σκαμπωνίδης, transliterated Alkibiádes Kleiníou Skambónidēs; c. 450–404 BC), was a prominent Athenian statesman, orator, and general. He was the last famous member of his mother's aristocratic family, the Alcmaeonidae, which fell from prominence after the Peloponnesian War. He played a major role in the second half of that conflict as a strategic advisor, military commander, and politician.

During the course of the Peloponnesian War, Alcibiades changed his political allegiance several times. In his native Athens in the early 410s BC, he advocated an aggressive foreign policy and was a prominent proponent of the Sicilian Expedition, but he fled to Sparta after his political enemies brought charges of sacrilege against him. In Sparta, he served as a strategic adviser, proposing or supervising several major campaigns against Athens. In Sparta too, however, Alcibiades soon made powerful enemies and felt forced to defect to Persia. There he served as an adviser to the satrap Tissaphernes until his Athenian political allies brought about his recall. He then served as an Athenian general (*Strategos*) for several years, but his enemies eventually succeeded in exiling him a second time.

Alcibiades was a leading supporter of the Sicilian Expedition, and scholars have argued that, had that expedition been under Alcibiades's



V · T · E

Ancient Athenian statesmen

[show]

V · T · E

Ancient Olympic Games

[show]

V · T · E

Ancient Greece

[show]

V · T · E

The works of Plutarch

[show]

Authority control WorldCat Identities · VIAF: 46735515 · LCCN: n85196363 · ISNI: 0000 0000 9044 0667 · GND: 118501739 · SUDOC: 030078997 · BNF: cb12156787x (data) · NLA: 54957807 · SNAC: w60w8dd5

Categories: 5th-century BC Athenians | Alcmaeonidae | Ancient Athenian generals | Ancient Greek statesmen | Ancient Greeks accused of sacrilege | Ancient Greek emigrants to the Achaemenid Empire | Ancient Greeks who were murdered | Ancient Olympic competitors | Pupils of Socrates | People of the Peloponnesian War | LGBT people from Greece | 450s BC births | 404 BC deaths

This page was last edited on 4 April 2018, at 02:13.

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01

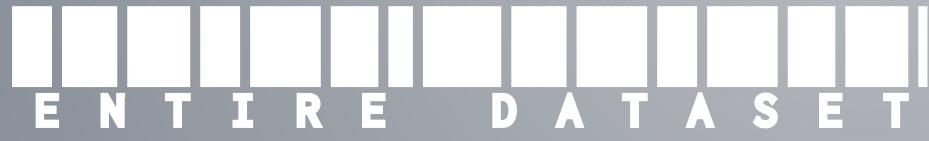
Web Scraping Categories

Used Beautiful Soup (python package) to scrape the categories of each of the pre-2003 articles.



category	count
<chr>	<int>
Disambiguation pages	3758
Living people	2641
Place name disambiguation pages	1897
Townships in Minnesota	1806
Townships in Michigan	1077
Towns in Wisconsin	998
Cities in Iowa	941
Townships in Pennsylvania	939
Cities in Texas	916
Villages in Illinois	915

1-10 of 171,125 rows



ENTIRE DATASET

All Revisions for Any Article Created Before Jan 1, 2003

- Original dataset - 2,953,425 unique articles, ~120 million revisions
- After filtering on creation date - 112,230 unique articles, total of 26,620,369 revisions
- Surprise! running ggplot over a dataset of this size is impractically slow
- While we can't reproduce the same visualizations over the whole set, we can determine the articles with most revisions overall and which article had the most revisions for each month/day
- How well does the articles with most revisions perform as a proxy for determining the most important events/news stories for that specific time?
- Or is it just an indicator for what was most important to Wikipedia and its revisors?

2001-2007

2001

magnitude daniel
great university brothers
constitution characters
deaths attacks
medieval unamerican turkish
silence activities games
western amendment canon
formula 2001 definition sports
coen william states terrorist
split collective history stephen
most world law
new system sir film war king
wikipedia united manifold
nouns america september attack
london remarkable americaspoor 2003
order
alphabet time encyclopedia abstract
lambs okh
star mythlogy

2002

witnesses
preserved dwight nationality
kingdom novelists globalization
chinaphysics self supercomputer
sovereign distribution france possession
white sex invention
germans people language normal restricted
economics wikipedia french states richard
movement alien jewish
belt domain french united history political
canada day conflict law dynasty
christopher israeli film 1939
jehovah technology world bugs eye
broads war phrases anti films han
america beryllium man columbus
van england timeline april league
name fifa british security
items televisions names fifth
wagner english canadians disorder cup
empire poland monarchs
randomness copernicus anarchism
eisenhower registry radiation
movements

2003

scientific chinese
u0144 u2013scholes
function richard 1960 concorde
directory hezbollah saddam gore political
genetic 1917 people gore maxwell
open korea woman texas mother china u20131927
tesla arnold catan jesus
nations party settlers suicide timeline pozna
justice micronation jackson south crisis black
industry linguistics kuwait islam union silesia
soviet drift war hussein
islam teresa new united high
crawford russia imperialism robert
attack michael states republic law gda
method disarmament bull taiwanese
catholicism lists rave gene project
schwarzenegger league joan
creationism houston
holocaust

2004

2005

bush george

potter newton wario washington
colditz chemical
genocide paradox massacre
film anarcho orleans united howard
music university tsunami hong
party race benedict thompson
evolution php rosa u00e1vez elvis
trek pat michael paul louisiana
hunter john jackson nikola
warfare capitalism pope history stern
cornwall patrick jesus fucked
byrne fermi clinton harry
hugo presley isaac list new russia
anarchism capitalism high castle
kong capitalism parks high voyager
fermi hugo school tesla
hugo presley isaac camilla england
camilla armenian episodes robertson
christmas intelligence

2006

2006



04

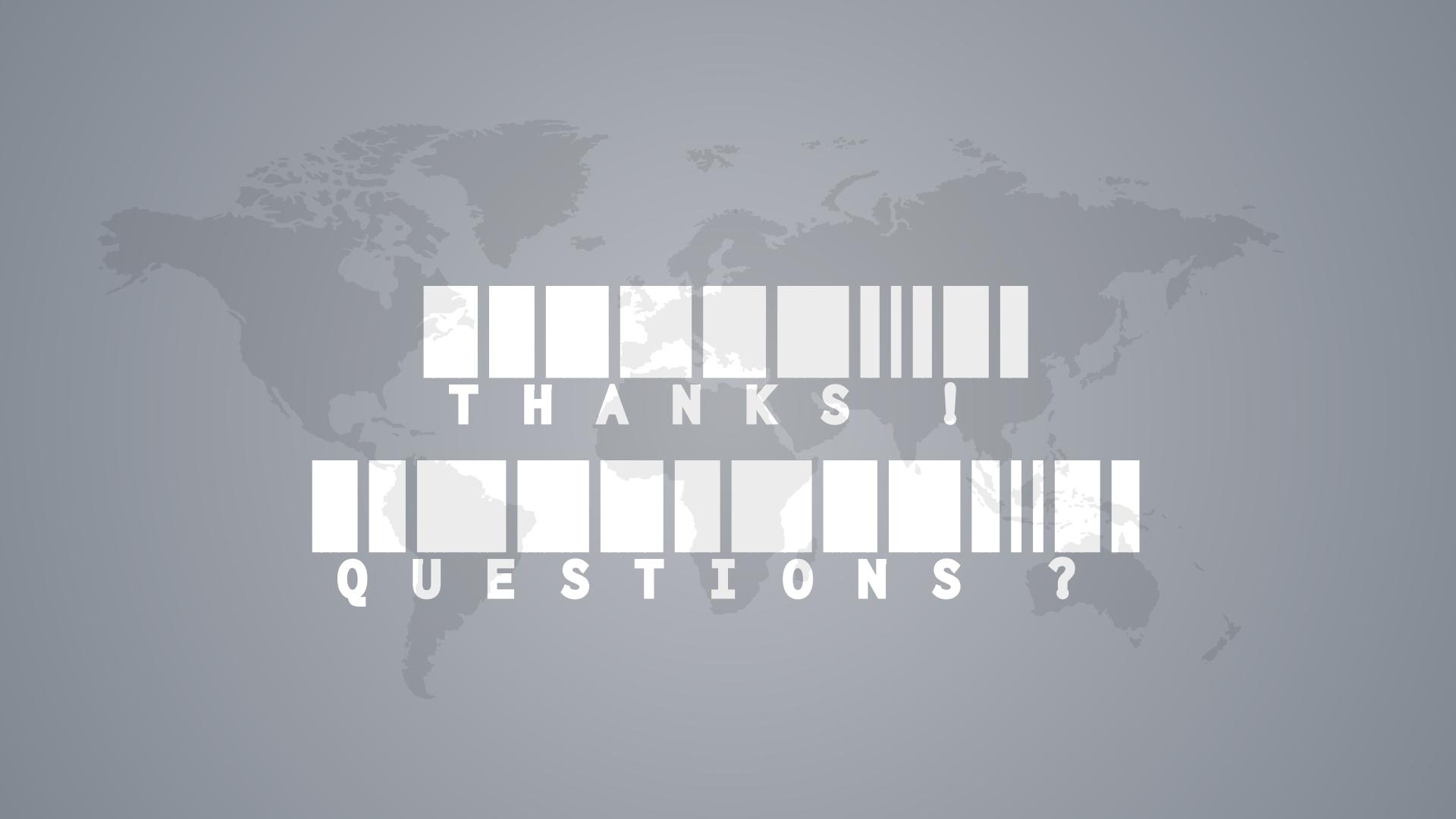
All good things must come to an end

We still have one bajillion questions, but we must conclude...



Insights

- Wikipedia articles tend to bifurcate into 2 camps:
 - Edited a negligible number of times (1-25)
 - Edited an important number of times (100+)
- Articles with indicators tend to have more revisions.
 - Ex:
 - many edits --> Alcibiades article featured
 - many edits <-- Alcibiades becomes featured article
- OR
- Bots generate a majority of aggregate revisions & should be taken into consideration if we were to make any conclusions about Wikipedia edit behaviors.
 - Ex: Ran Man, Kevin Bot's influence on Geography posts
- Wikipedia's Bastion of Culture
 - Celebrity, Papacy, Death, Jesus, Terror, Bush



THANKS!

QUESTIONS?



A D D I T I O N A L
P L O T S

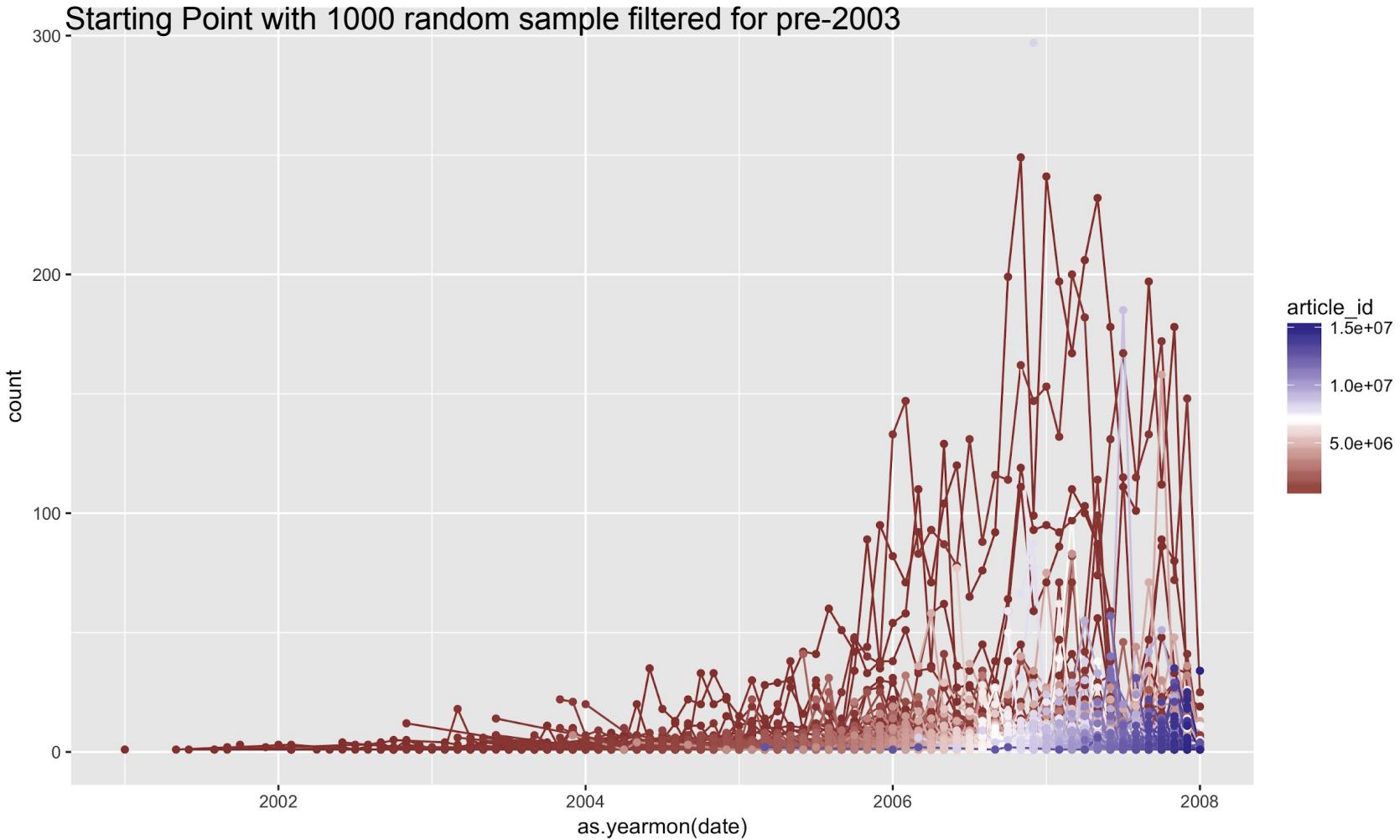


F I R S T

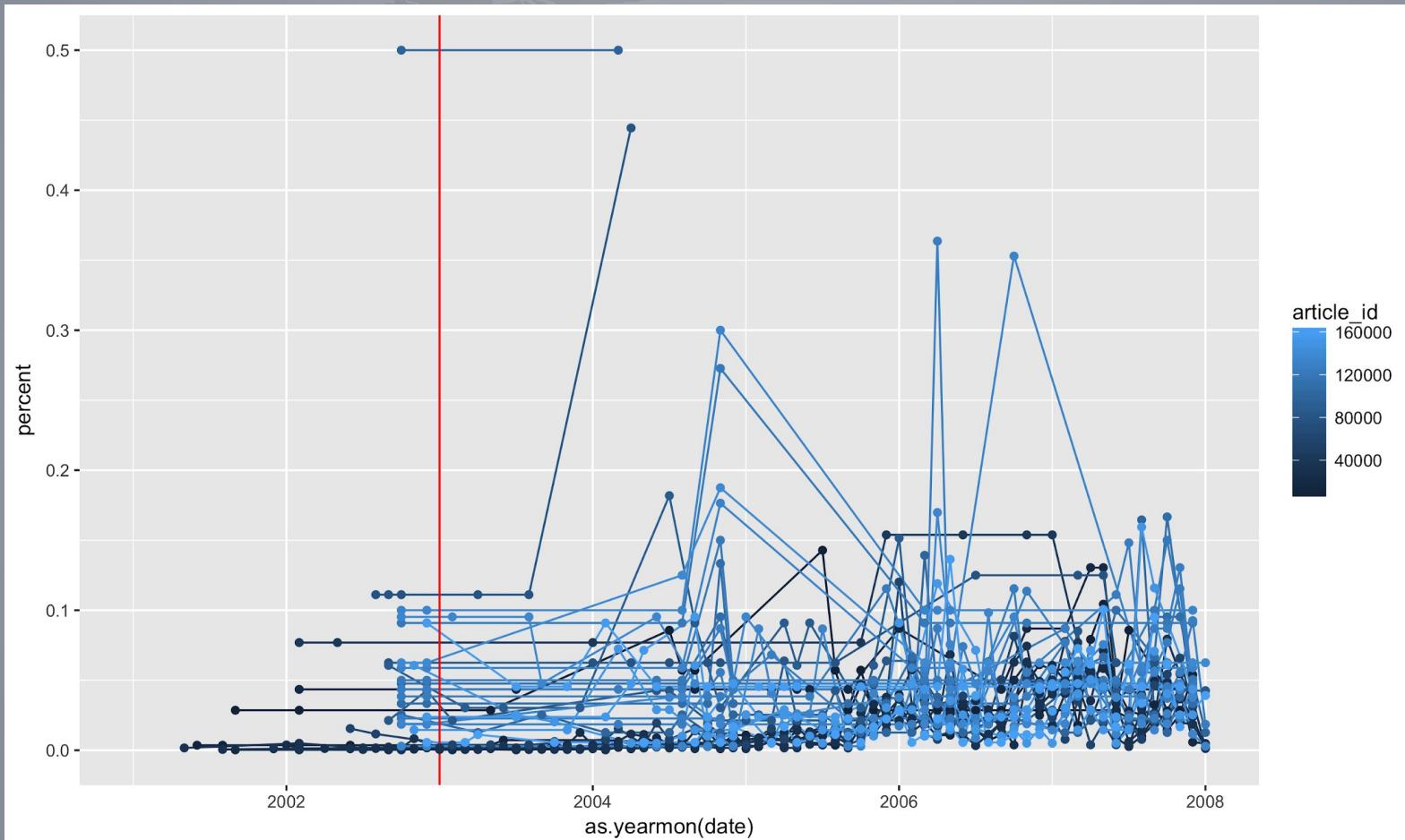
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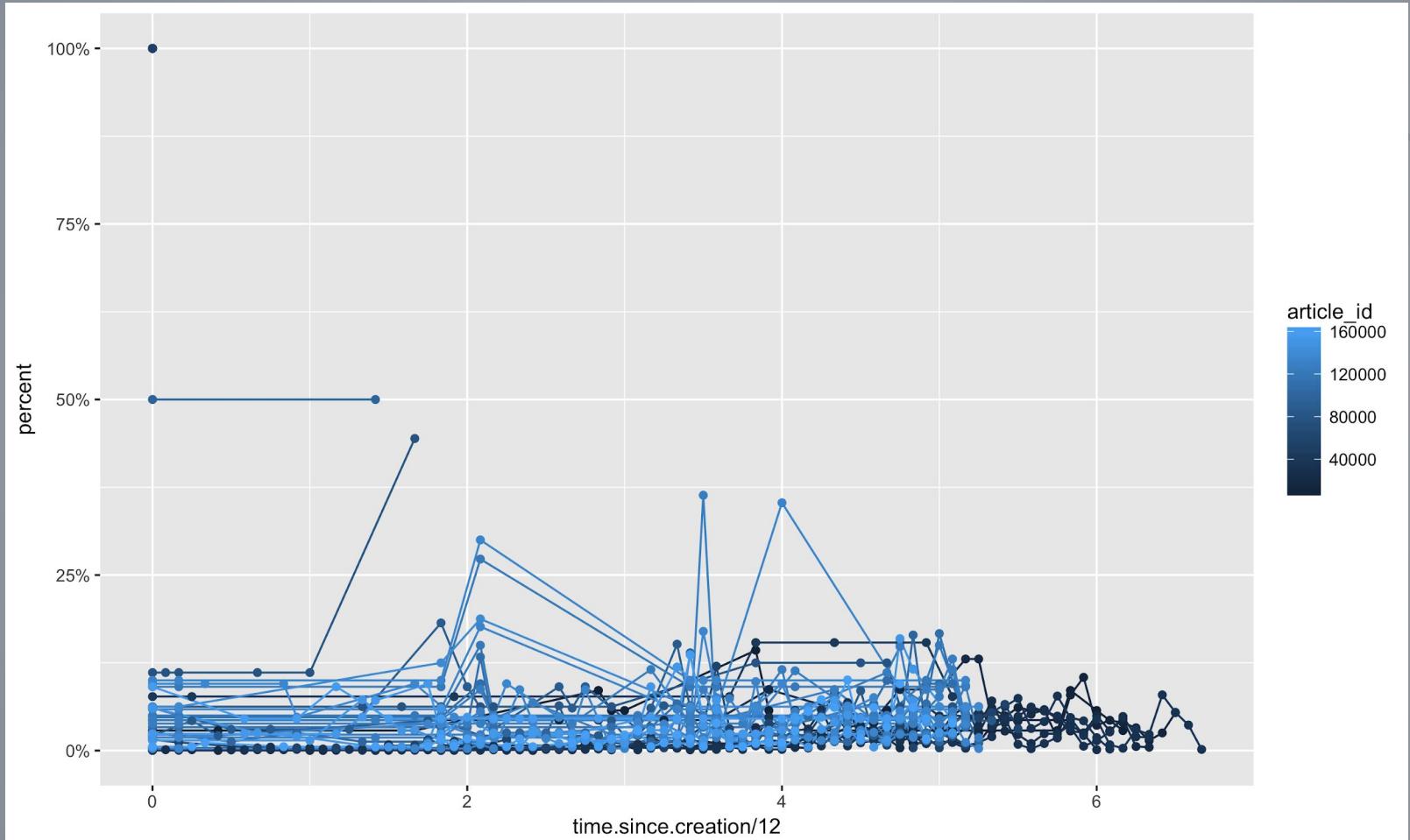
Starting Point with 1000 random sample filtered for pre-2003



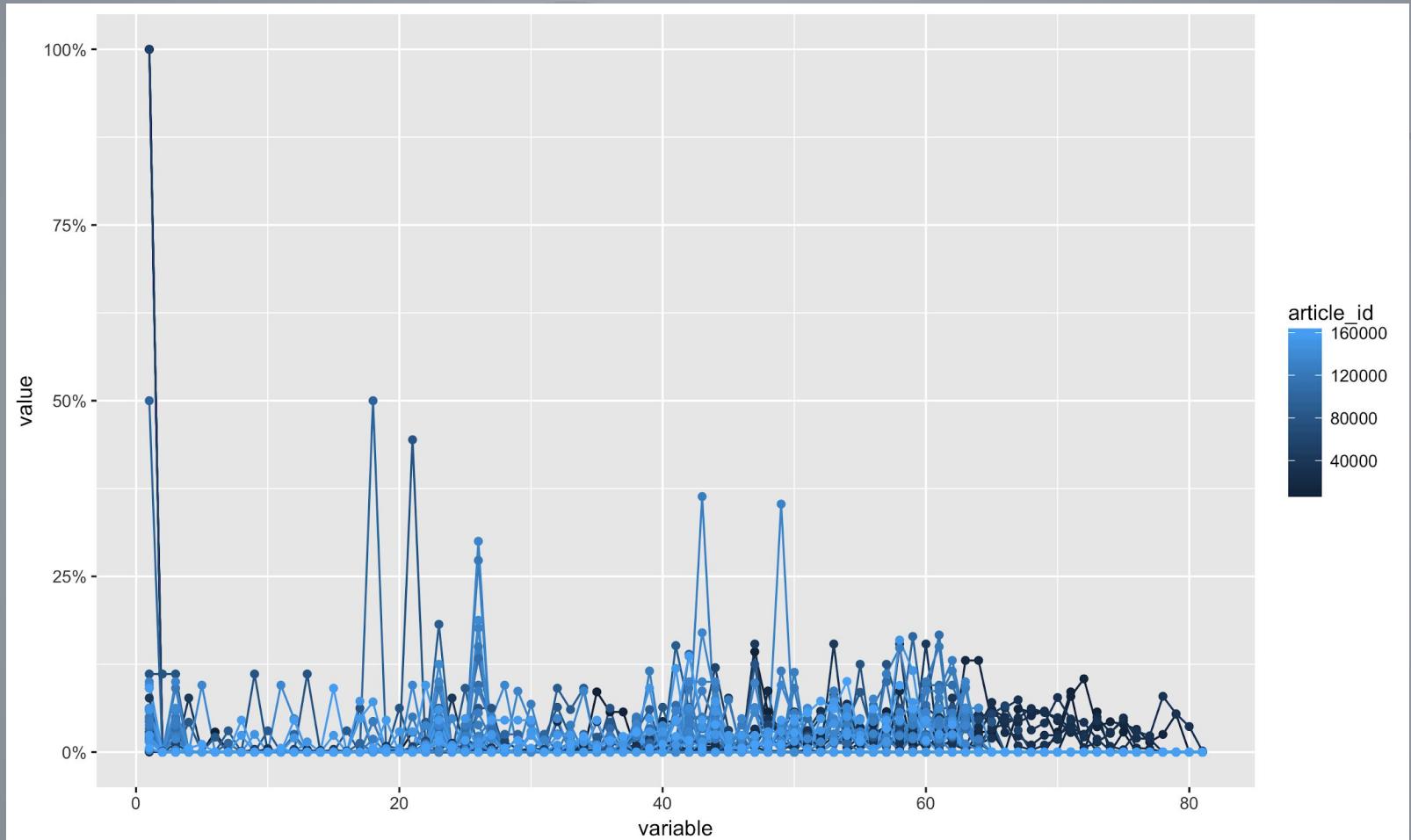
Starting Point with 1000 random sample - converted to percent



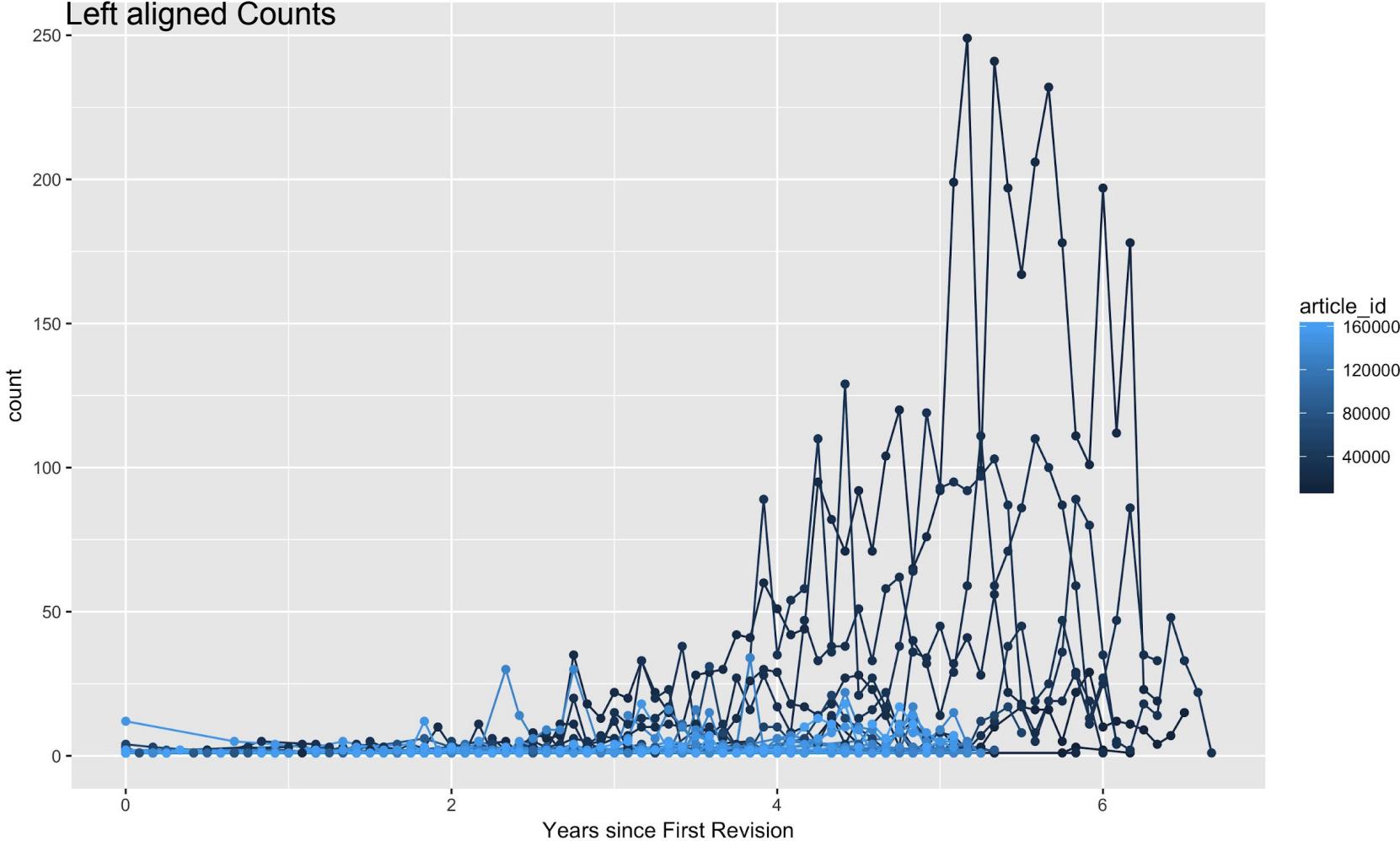
Left Align 1000 random sample

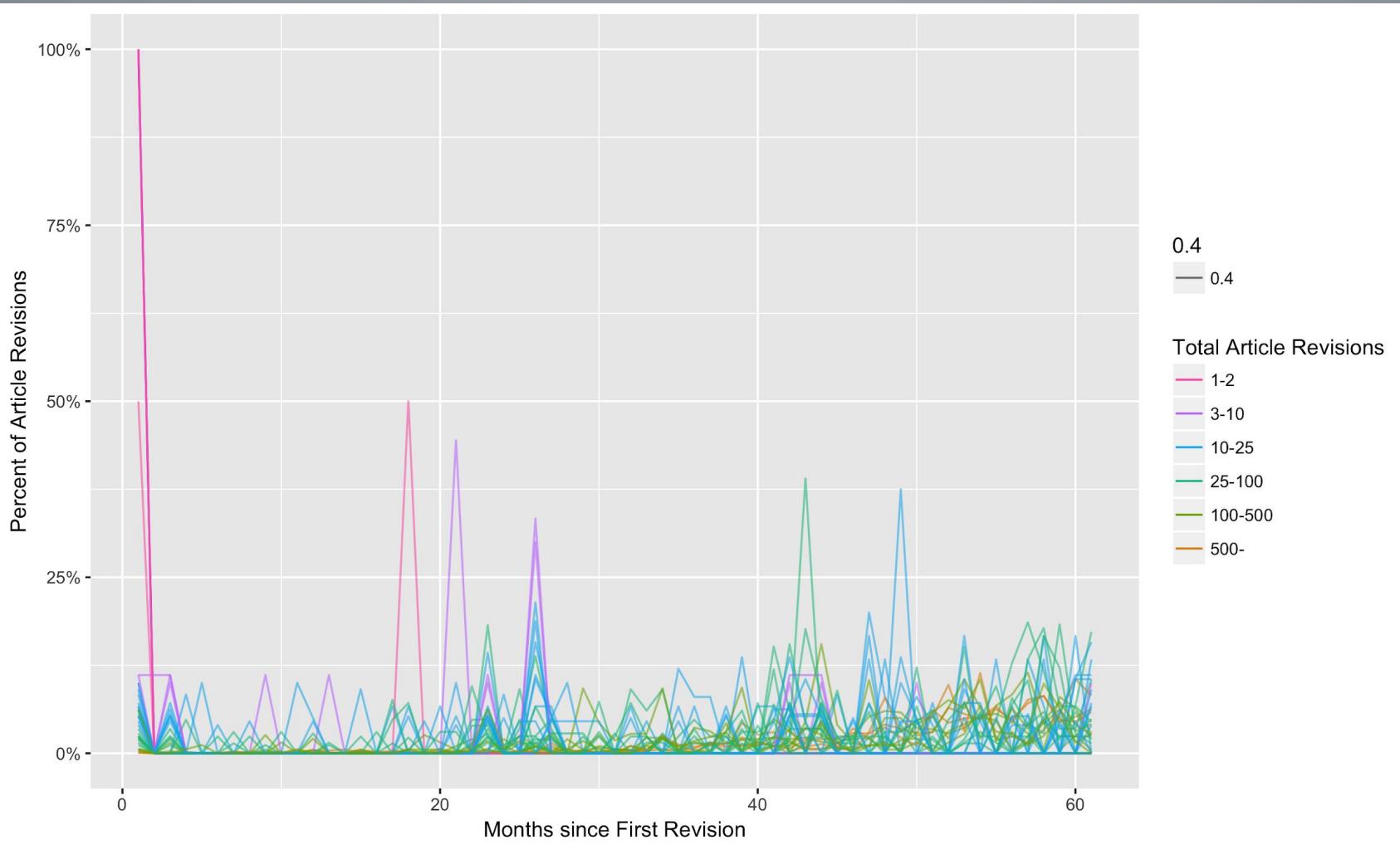


Add 0's to make timeline - 1000 random sample



Left aligned Counts





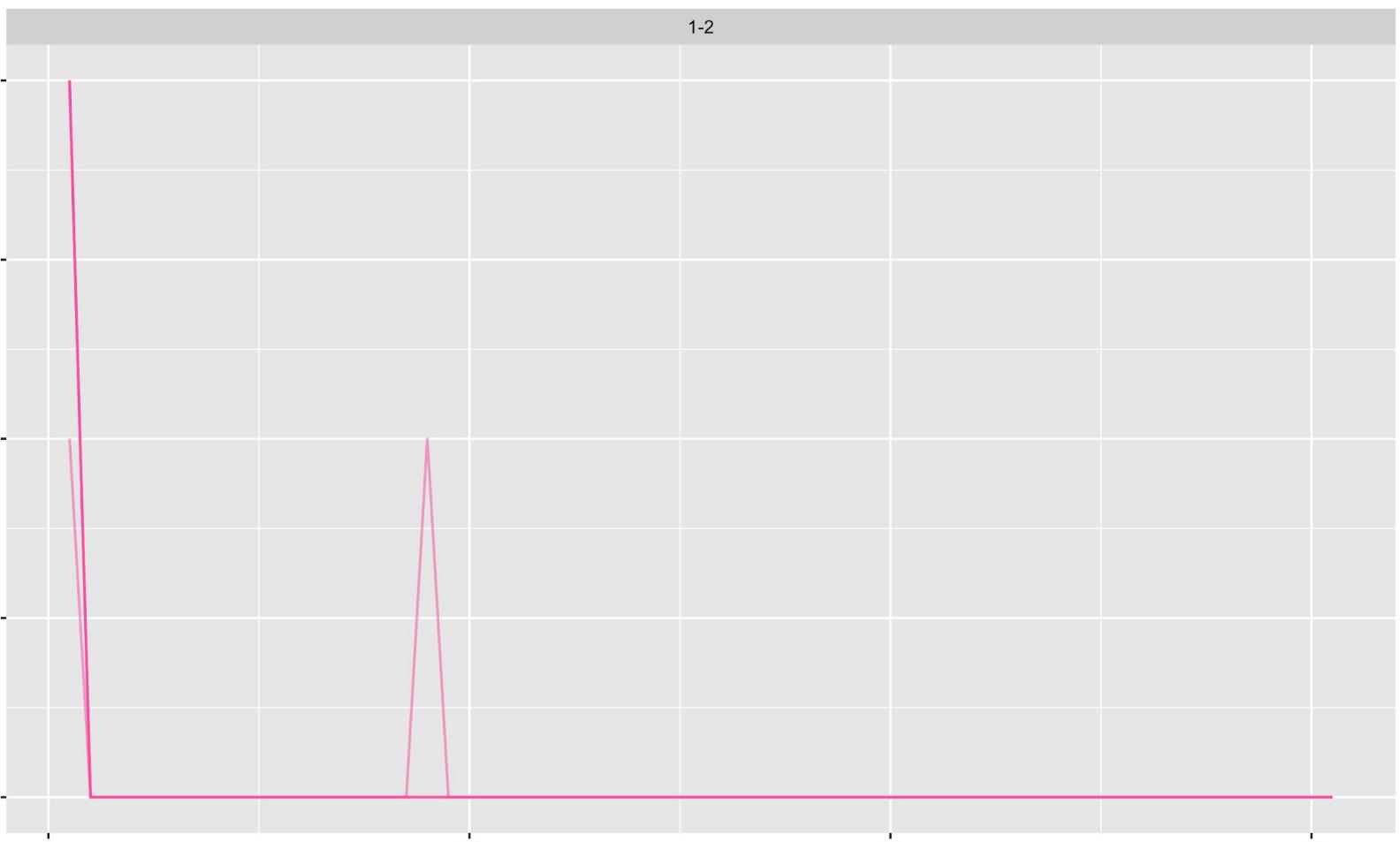
1-2

Percent of Article Revisions

100%
75%
50%
25%
0%

0 20 40 60

Months since First Revision



Percent of Article Revisions

100%

75%

50%

25%

0%

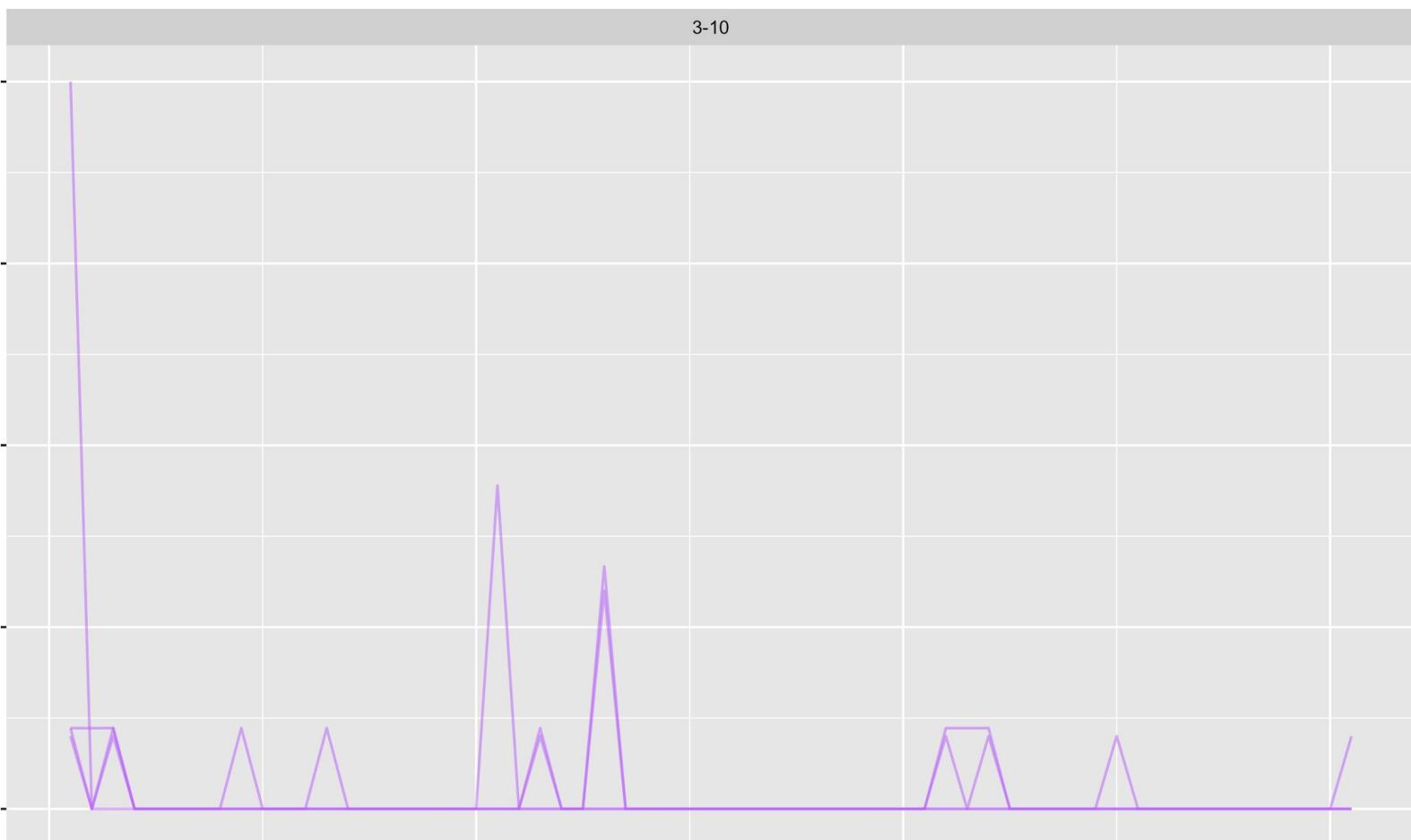
0

20

40

60

Months since First Revision



10-25

Percent of Article Revisions

100%

75%

50%

25%

0%

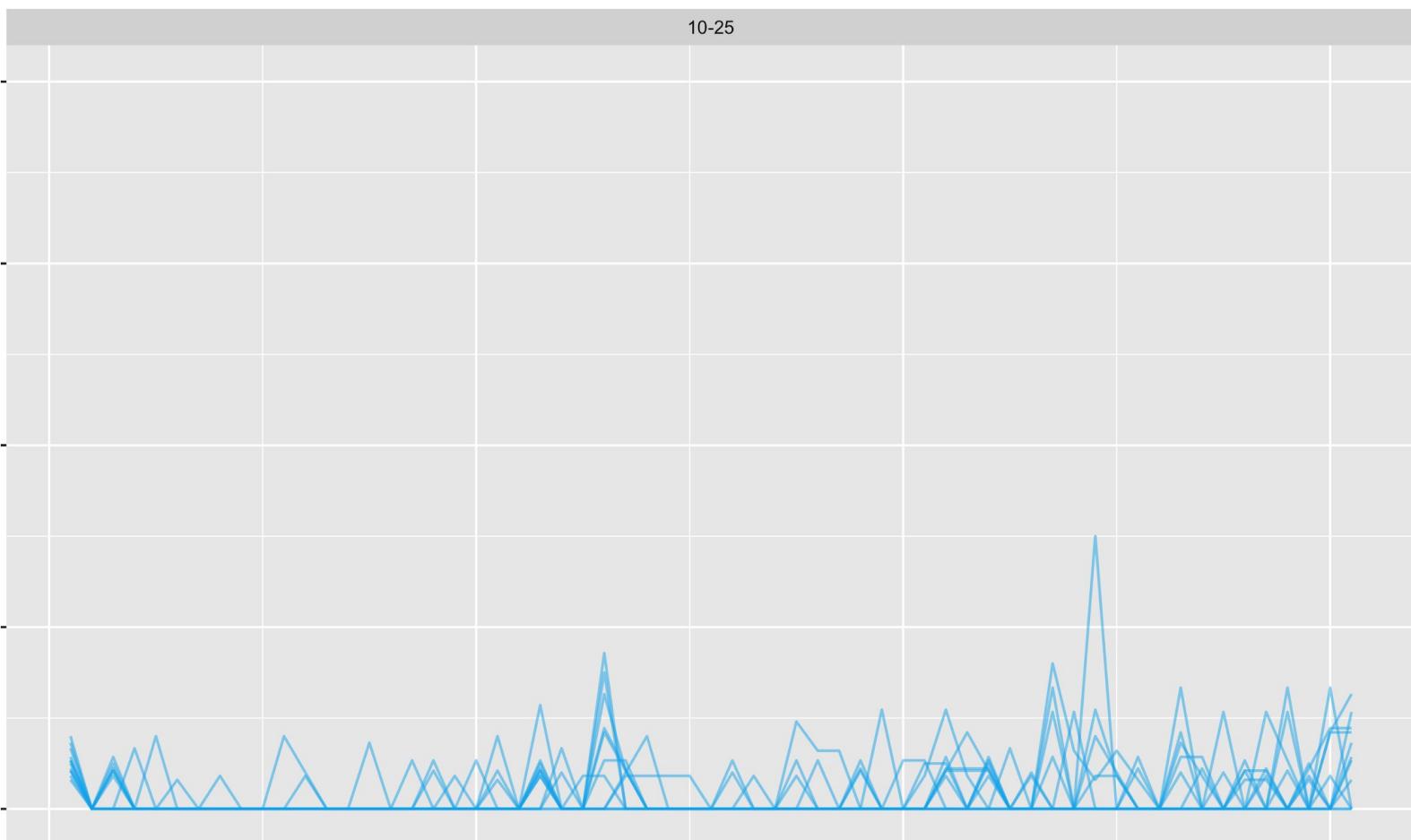
0

20

40

60

Months since First Revision



25-100

Percent of Article Revisions

100%

75%

50%

25%

0%

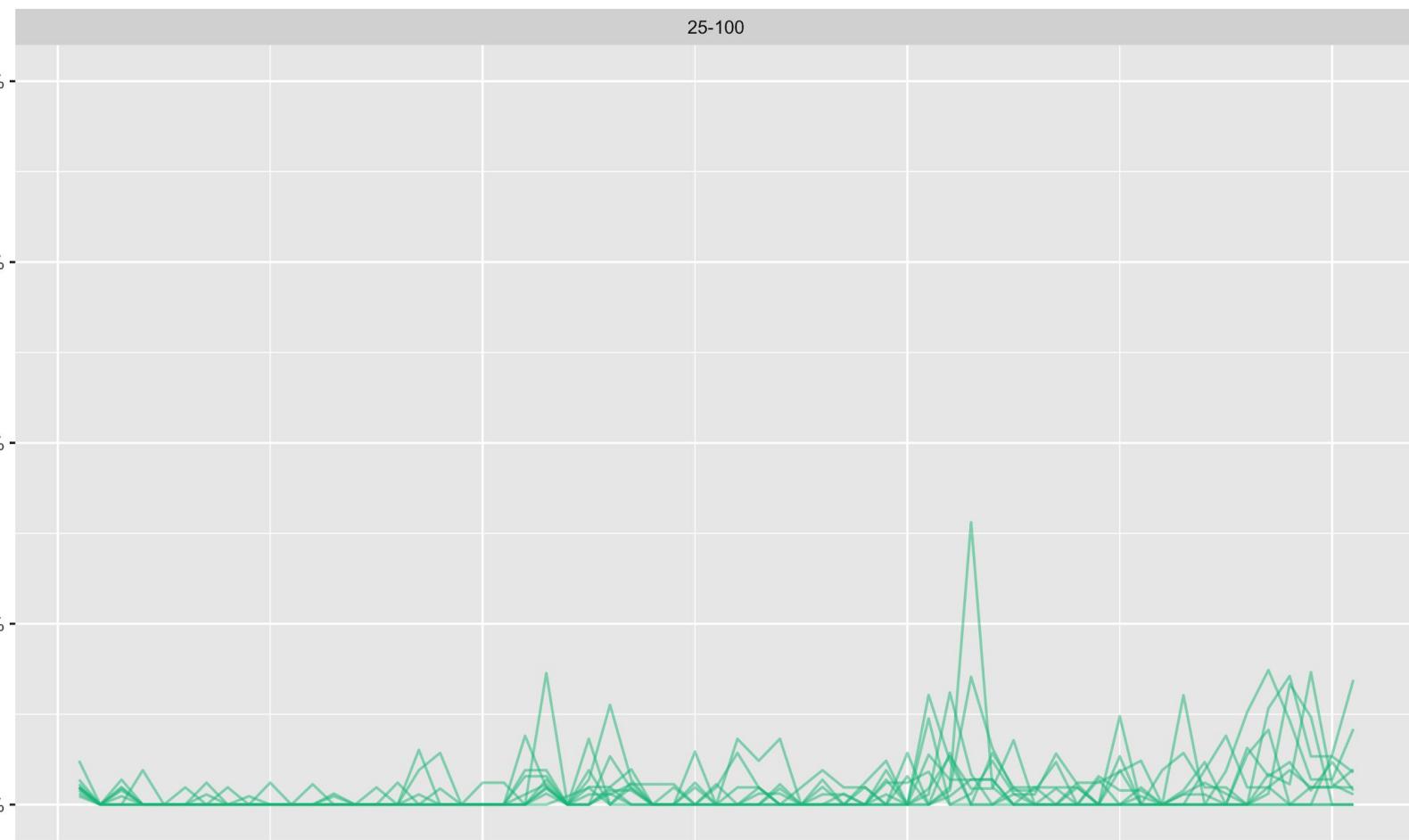
0

20

40

60

Months since First Revision



100-500

Percent of Article Revisions

100%

75%

50%

25%

0%

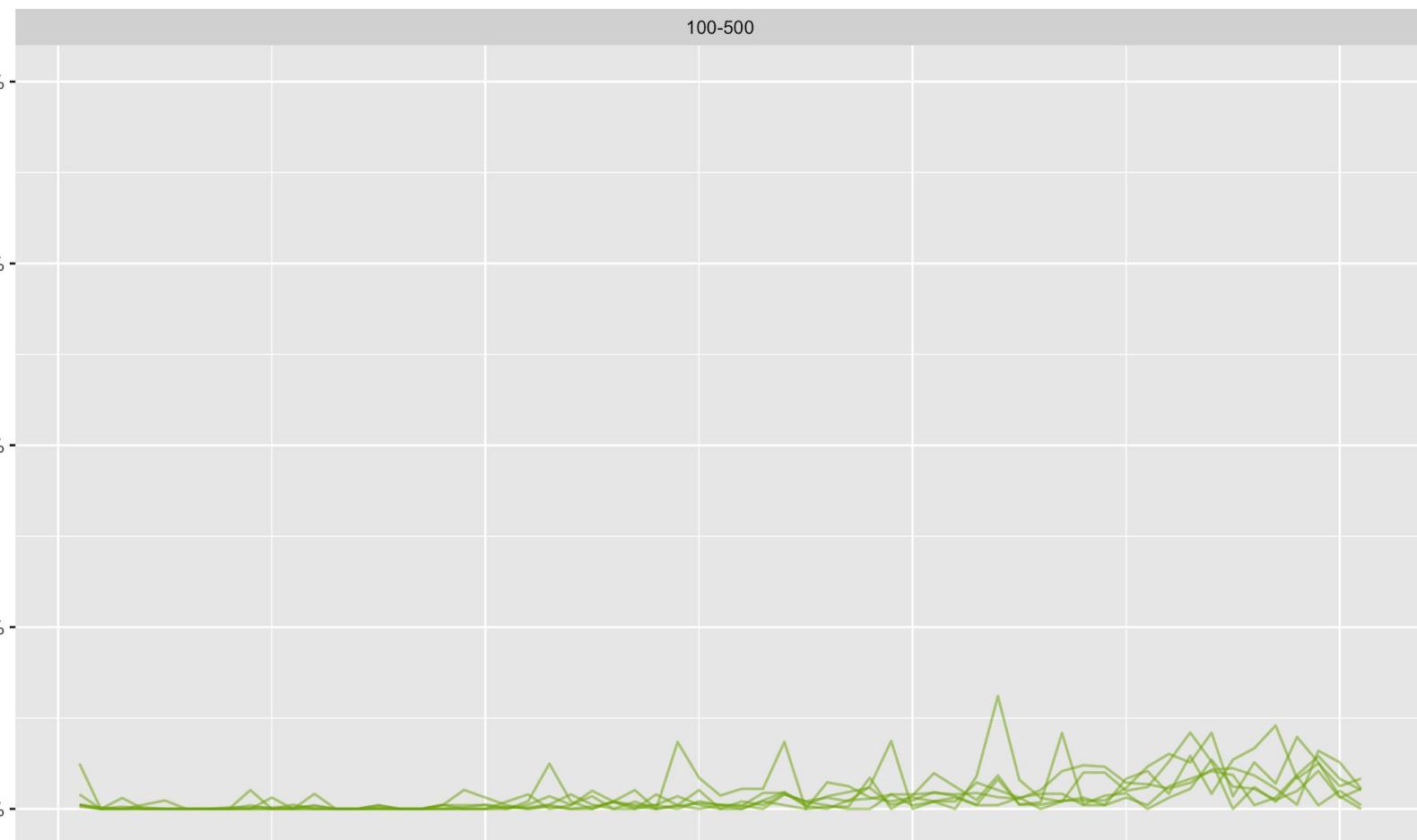
0

20

40

60

Months since First Revision



500-

Percent of Article Revisions

100%

75%

50%

25%

0%

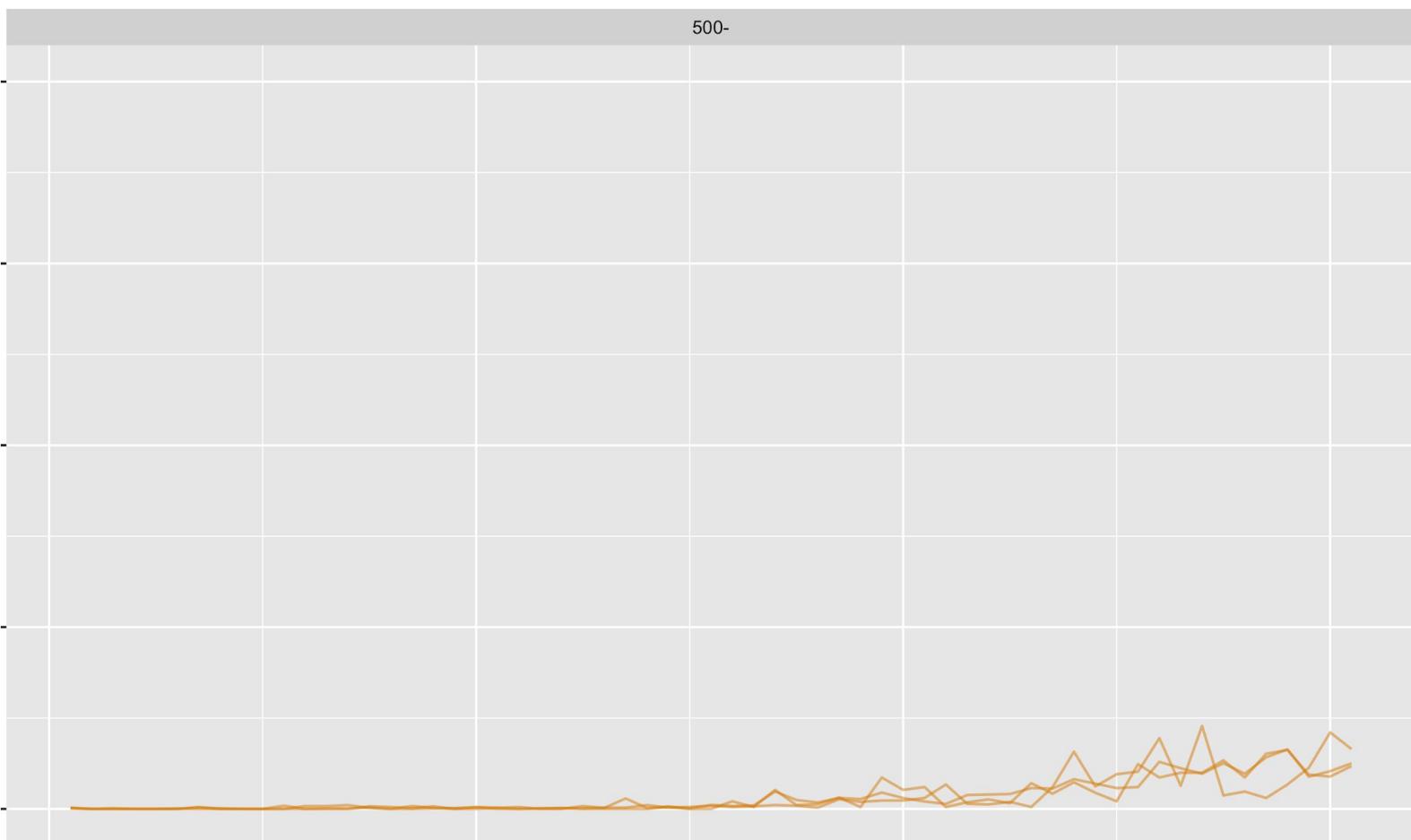
0

20

40

60

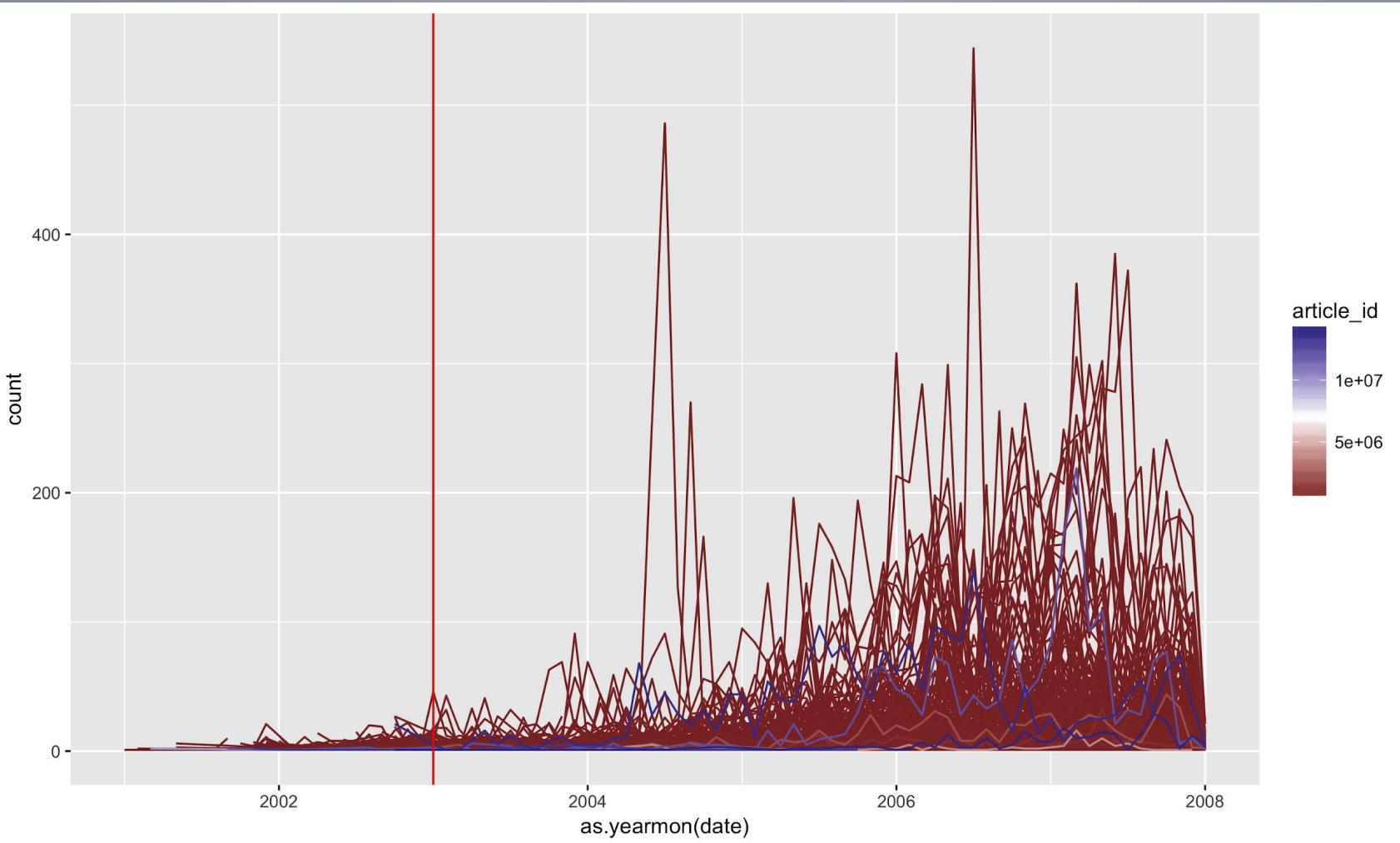
Months since First Revision

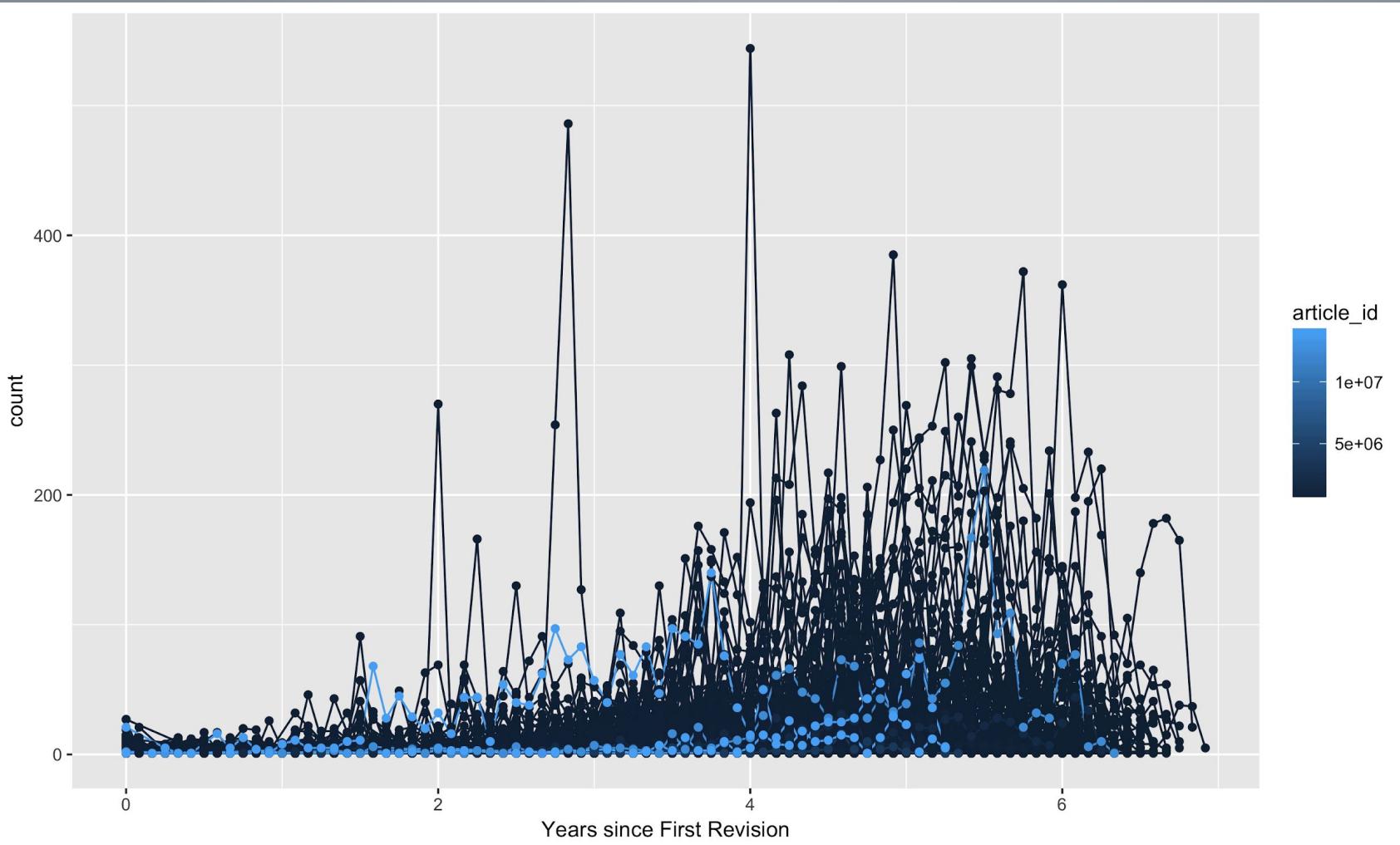


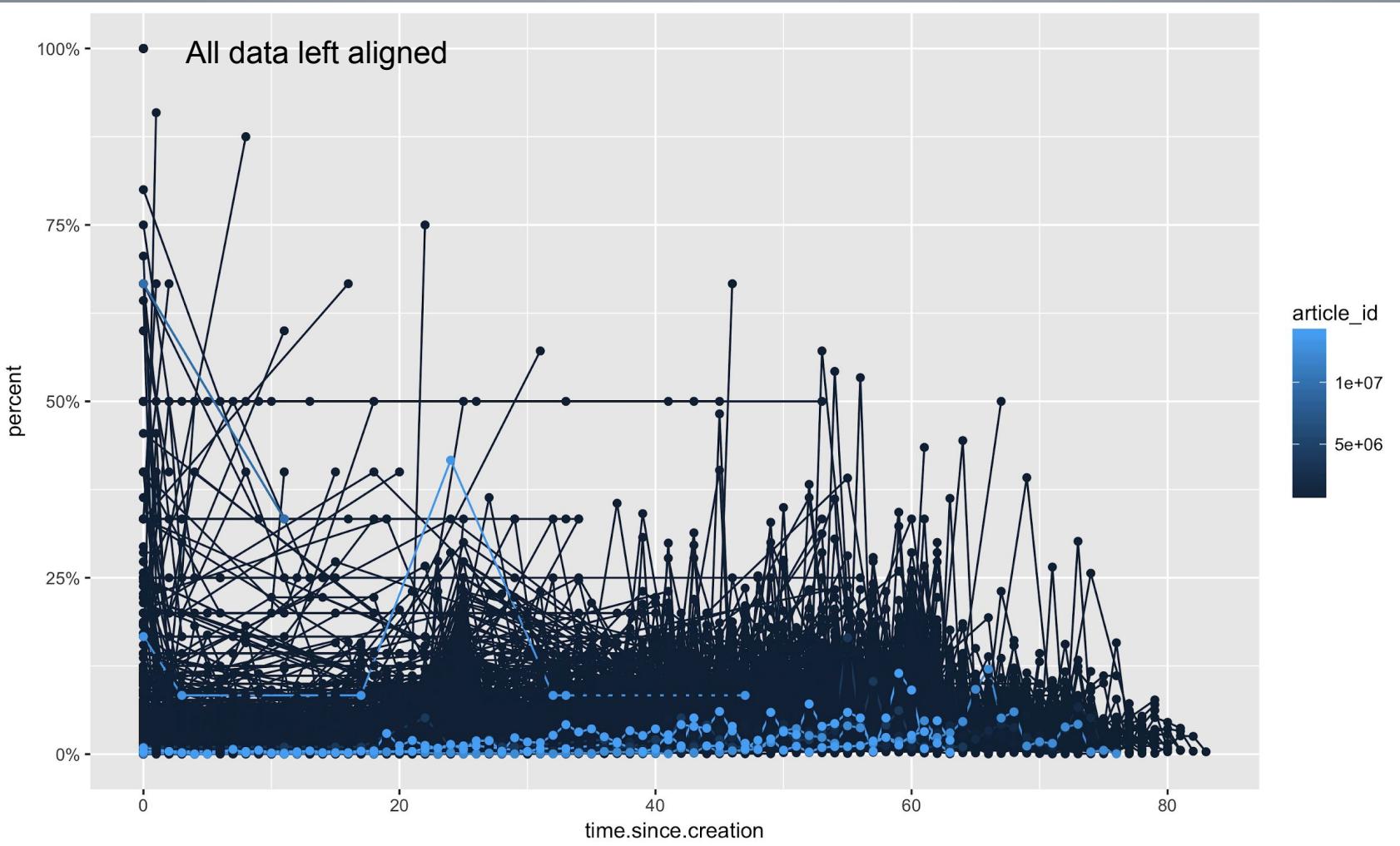


1 0 0 0 OLDER

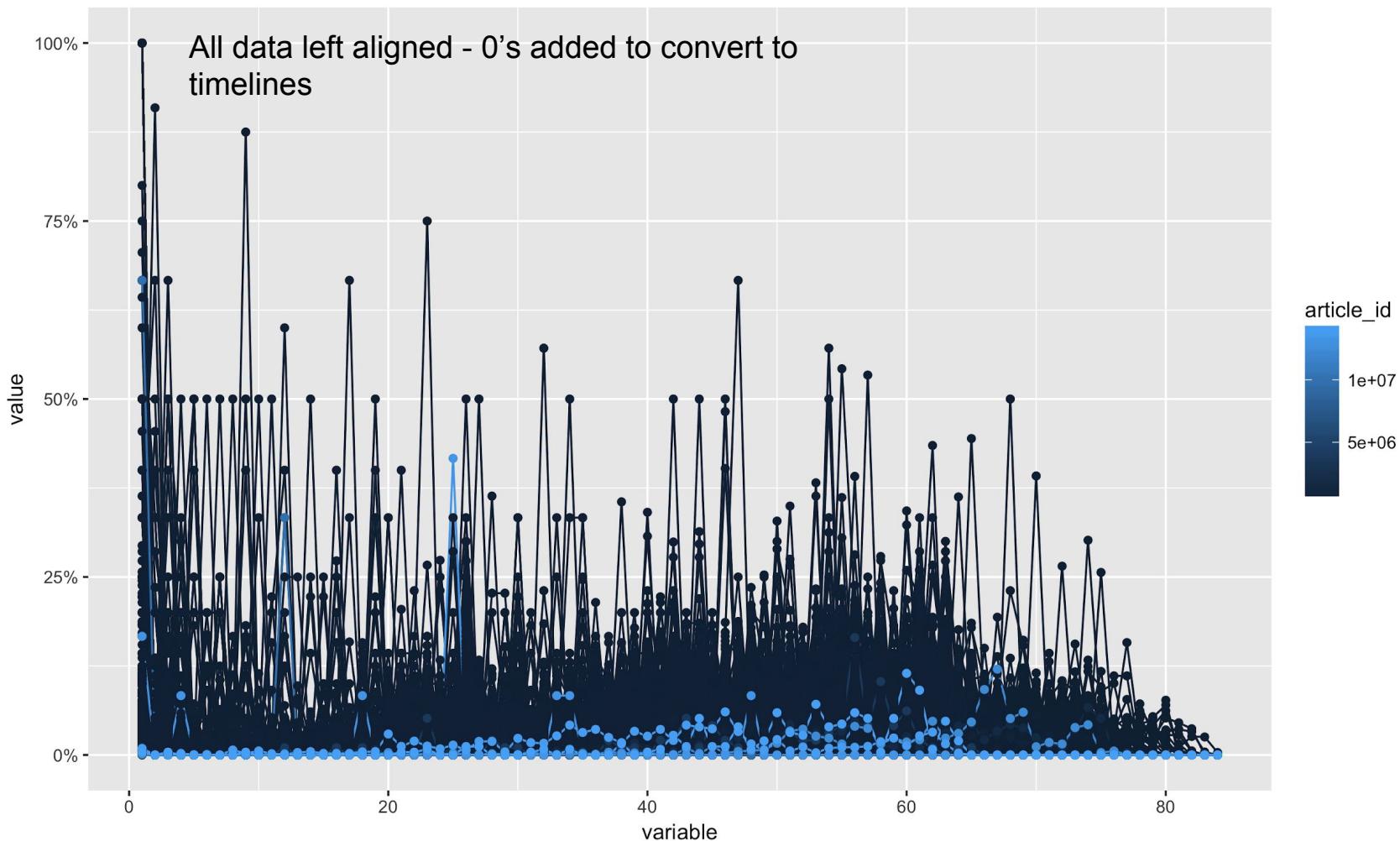
ARTICLES SAMPLE

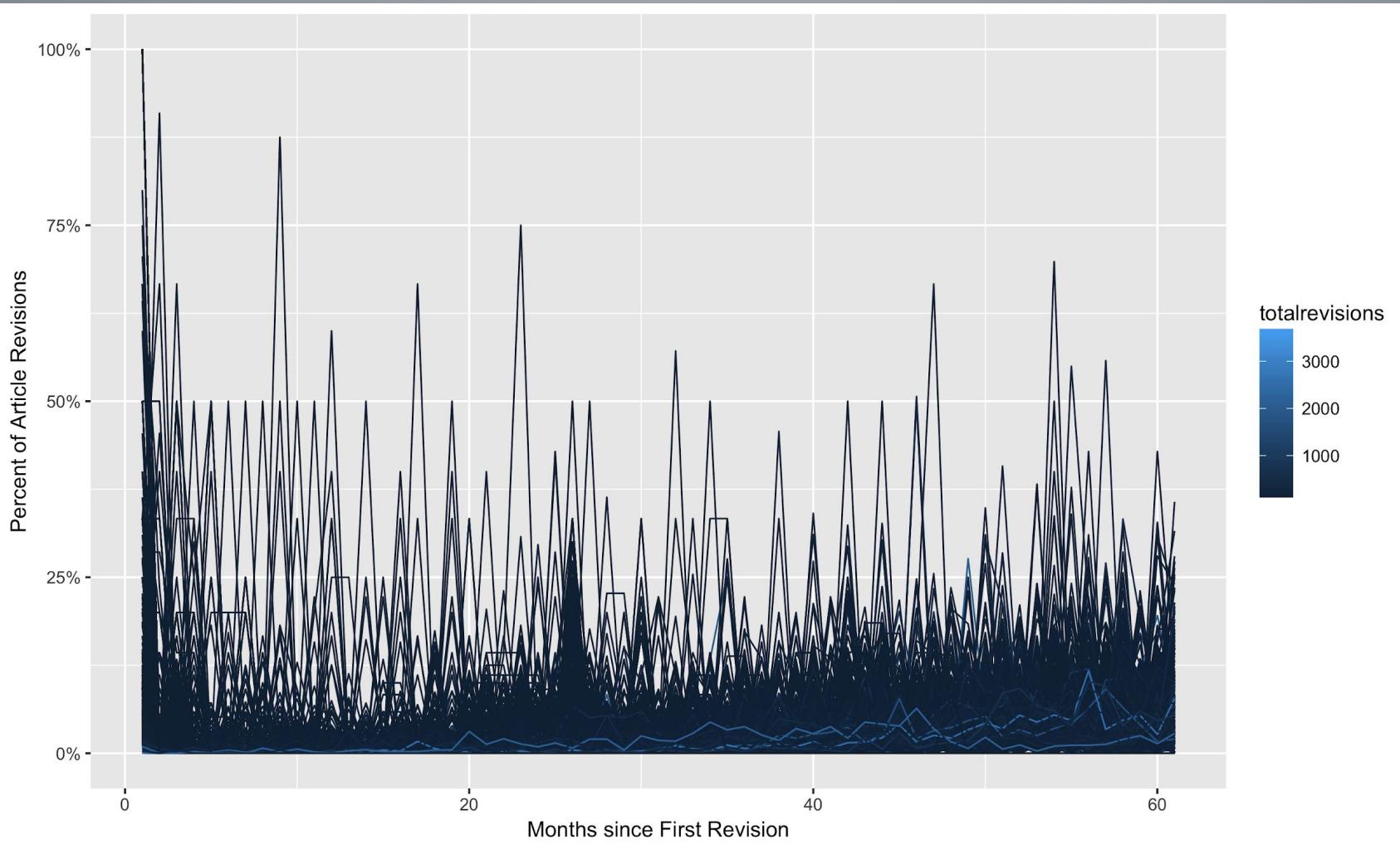




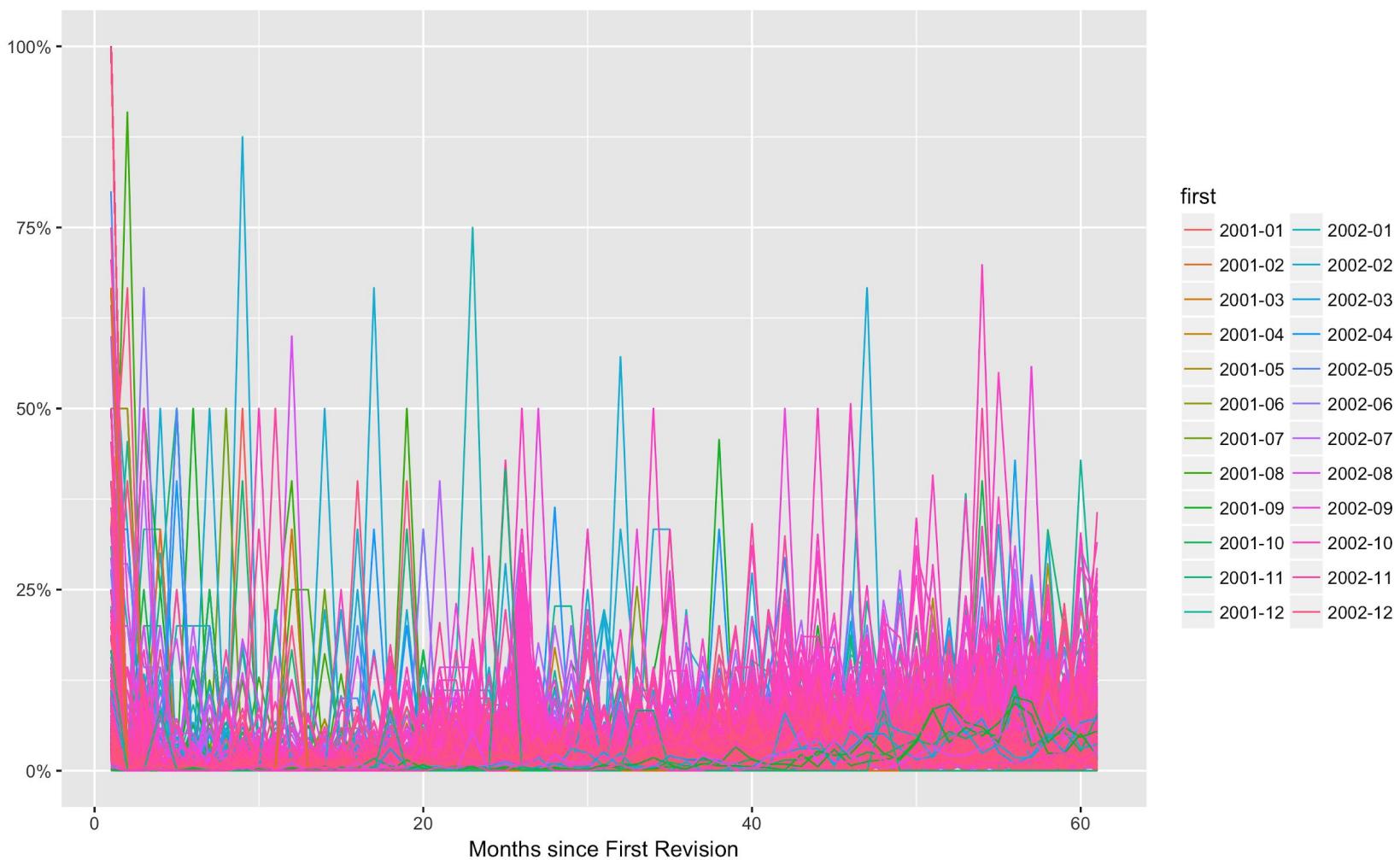


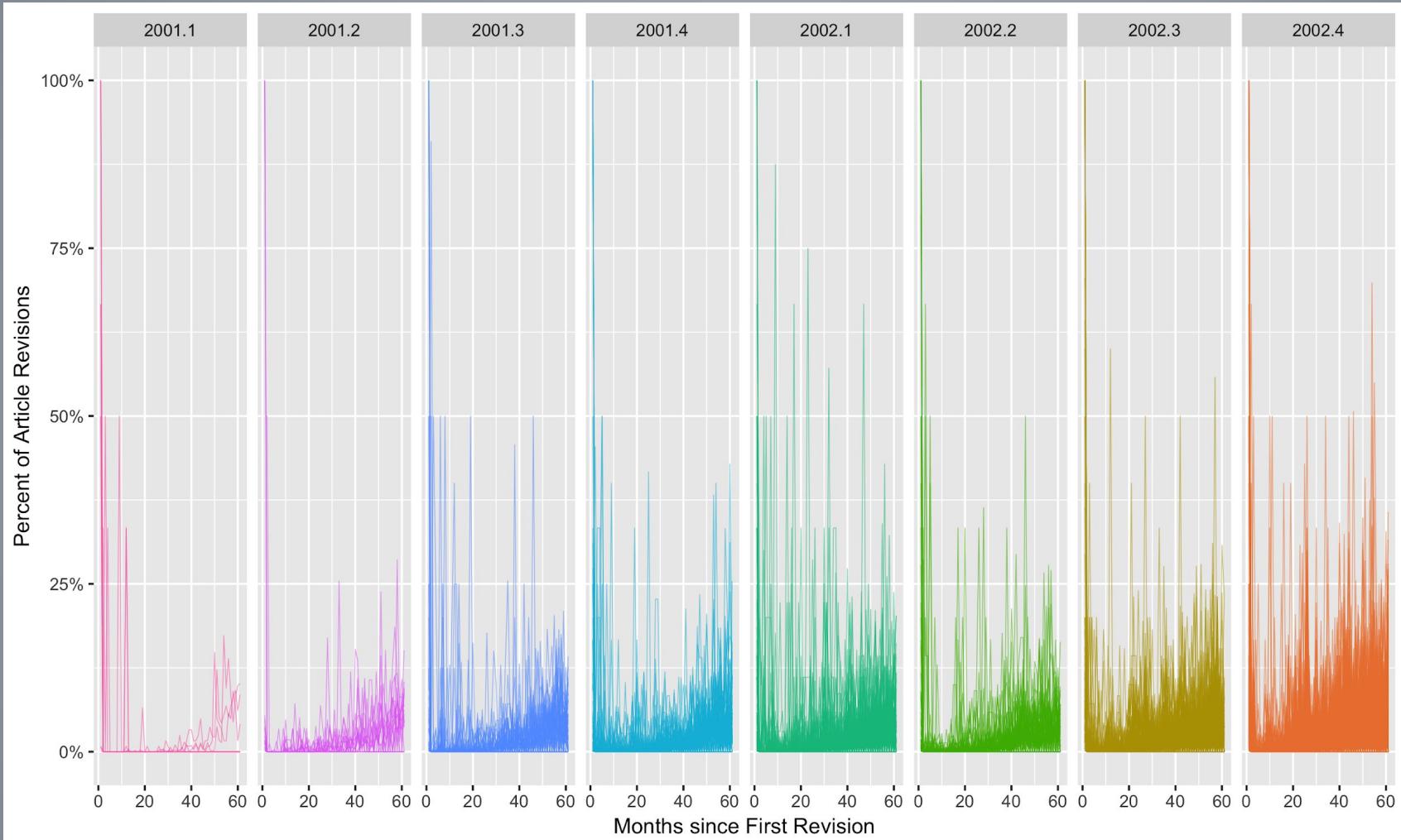
All data left aligned - 0's added to convert to timelines

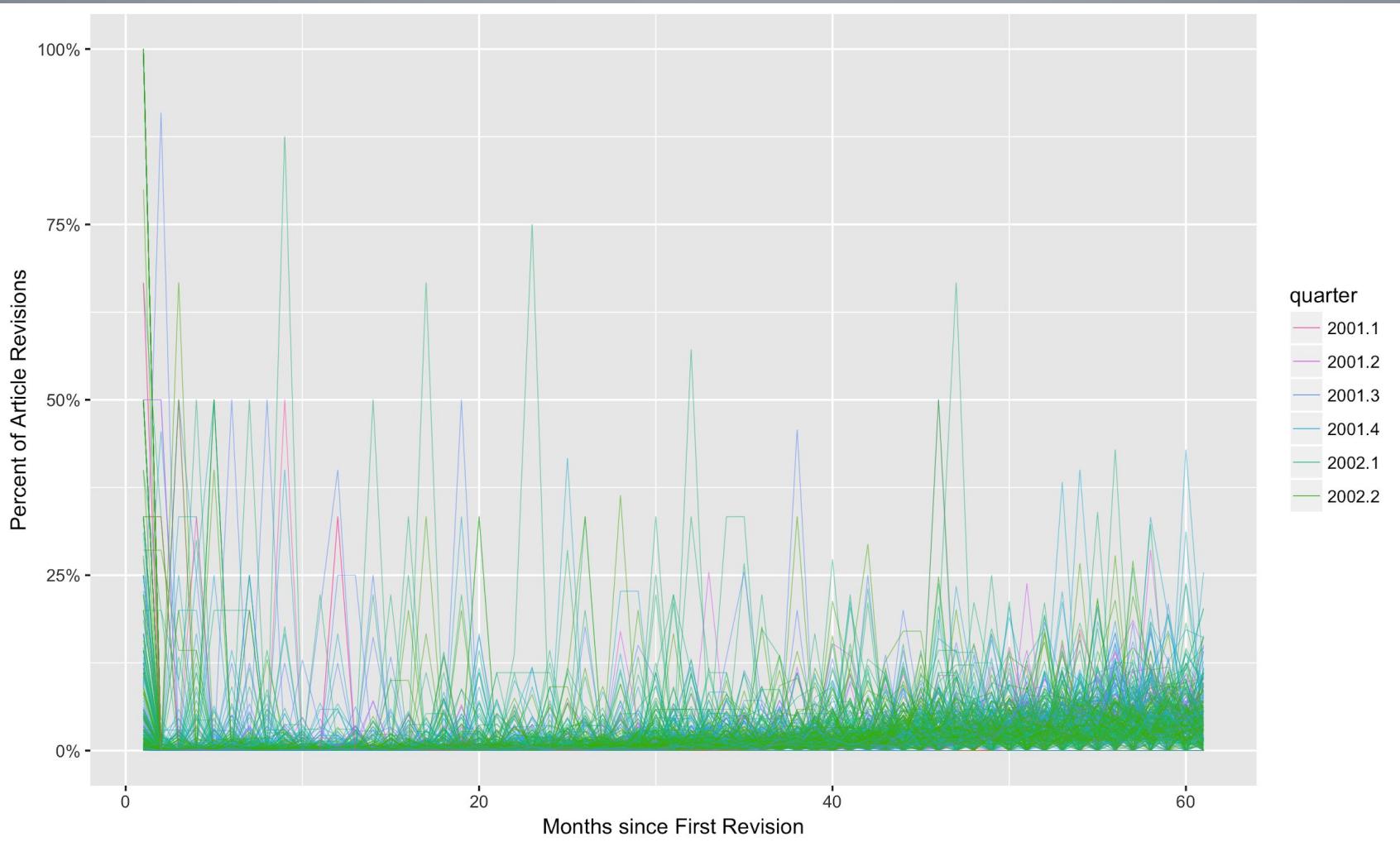


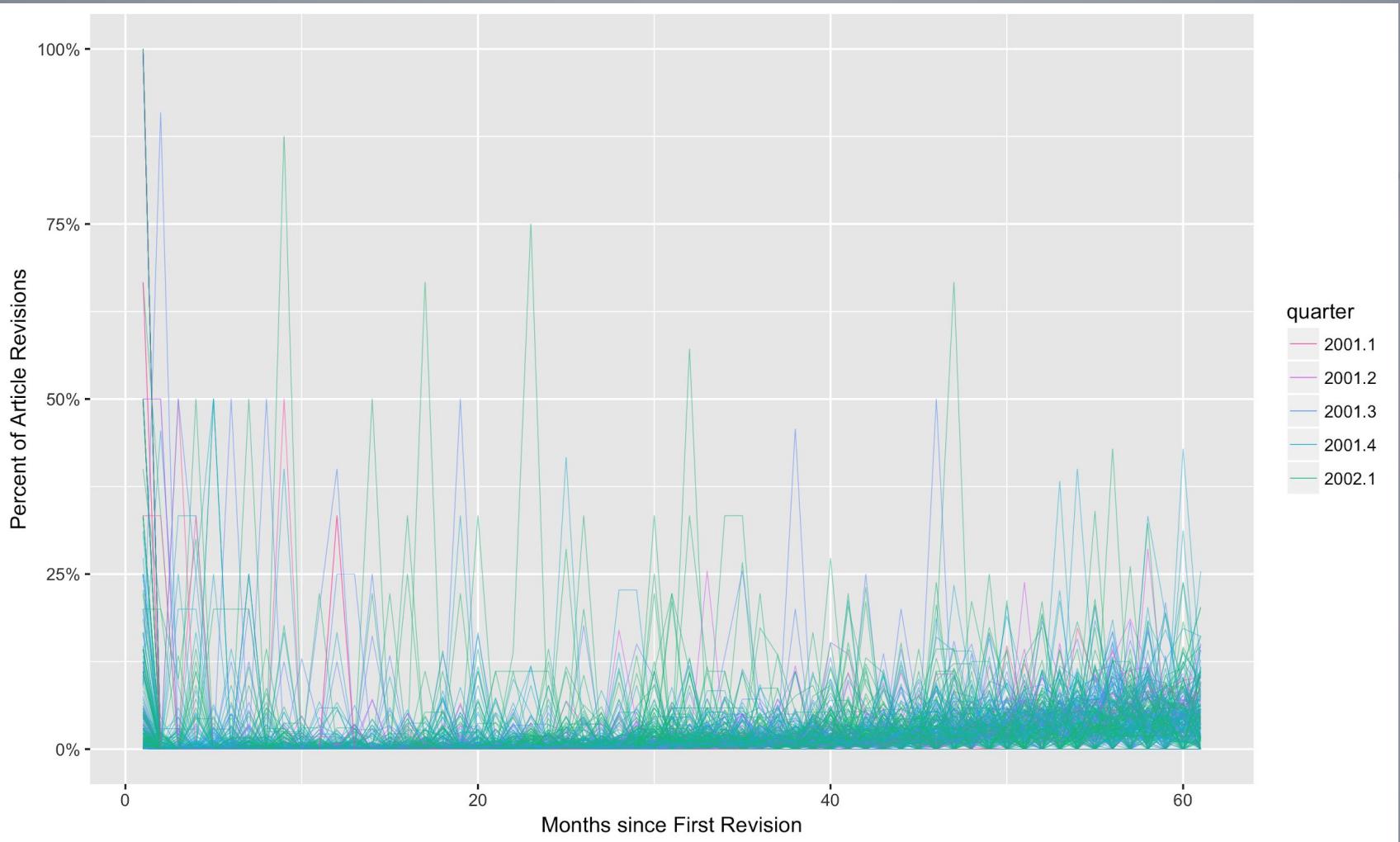


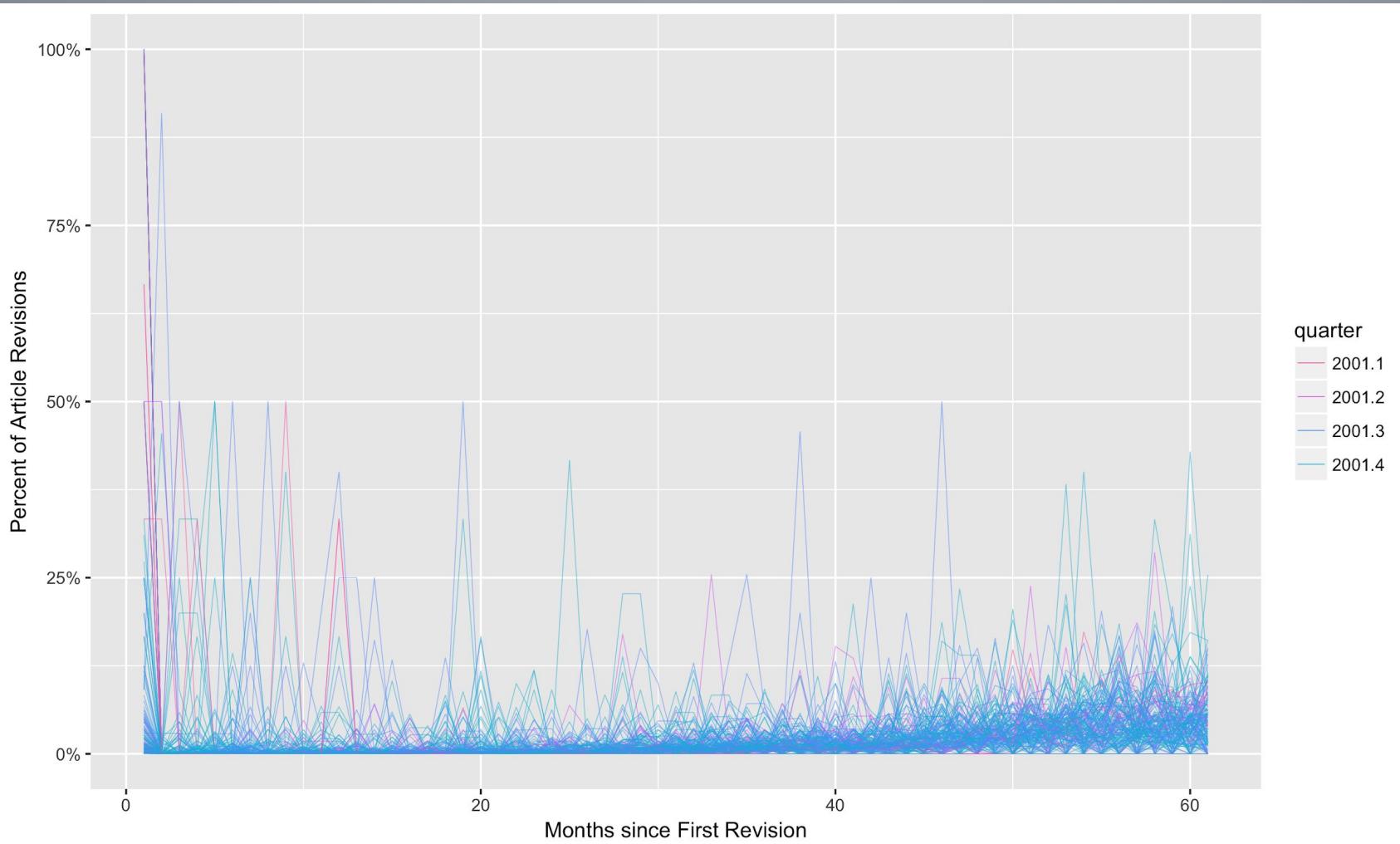
Percent of Article Revisions

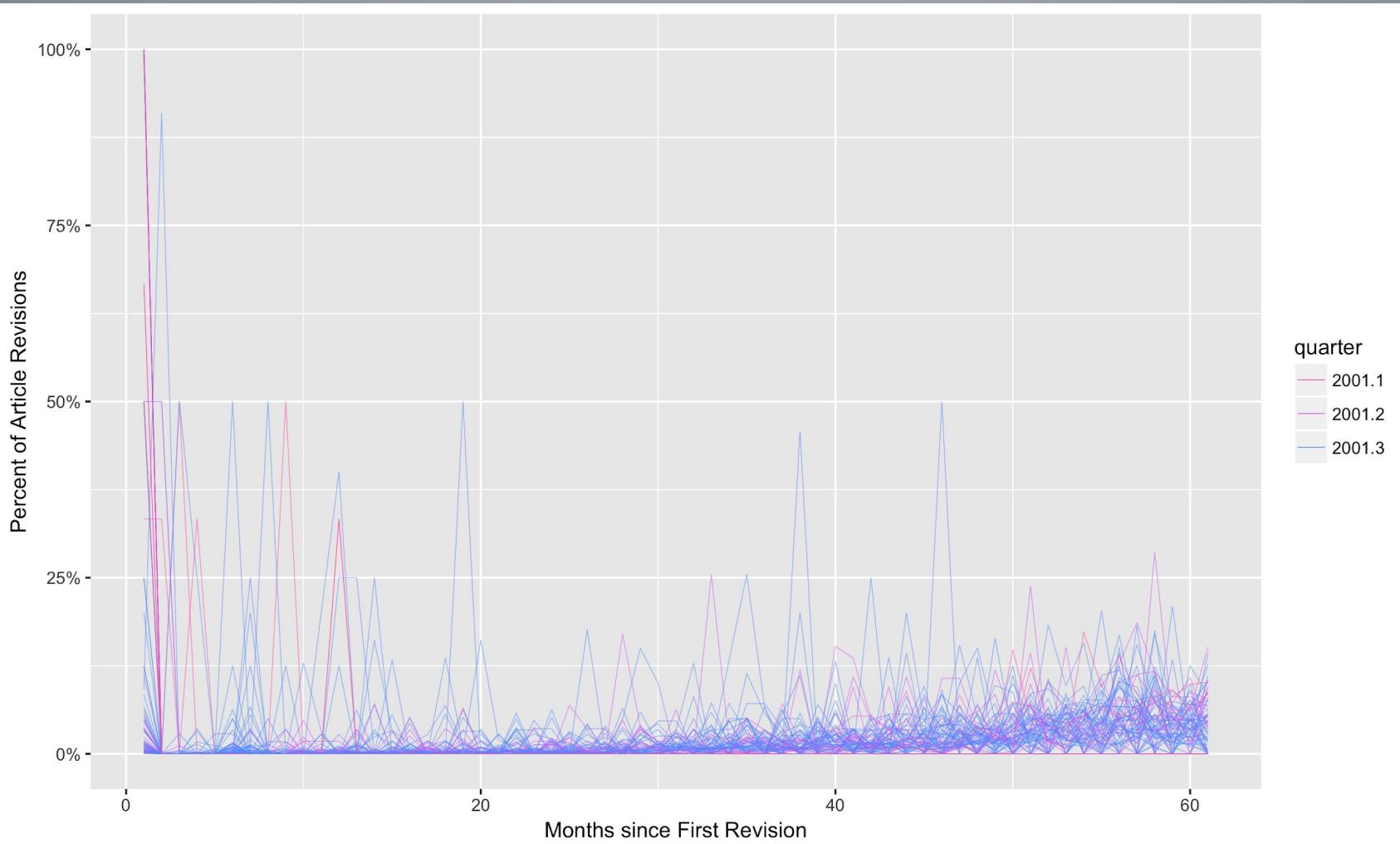


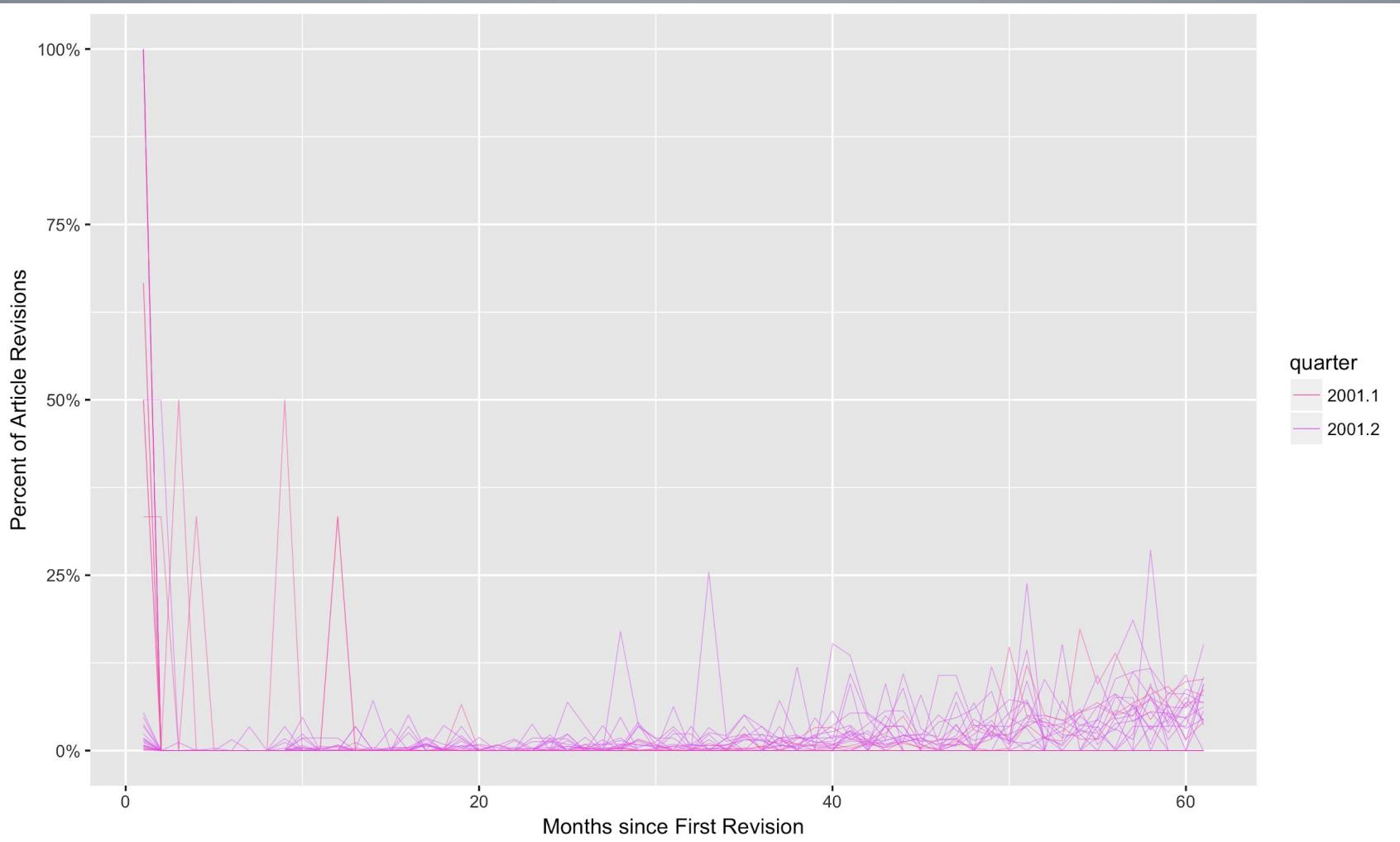




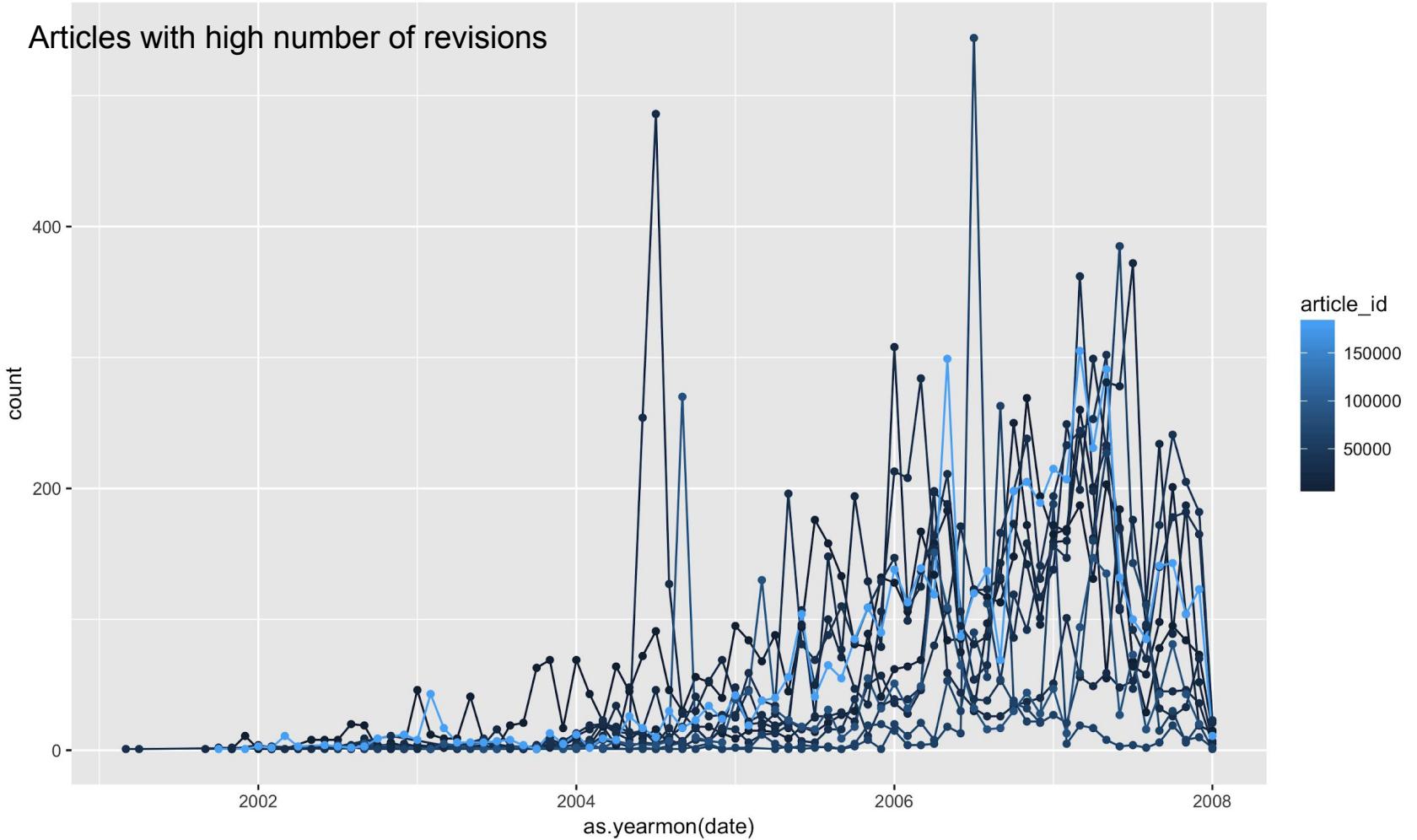




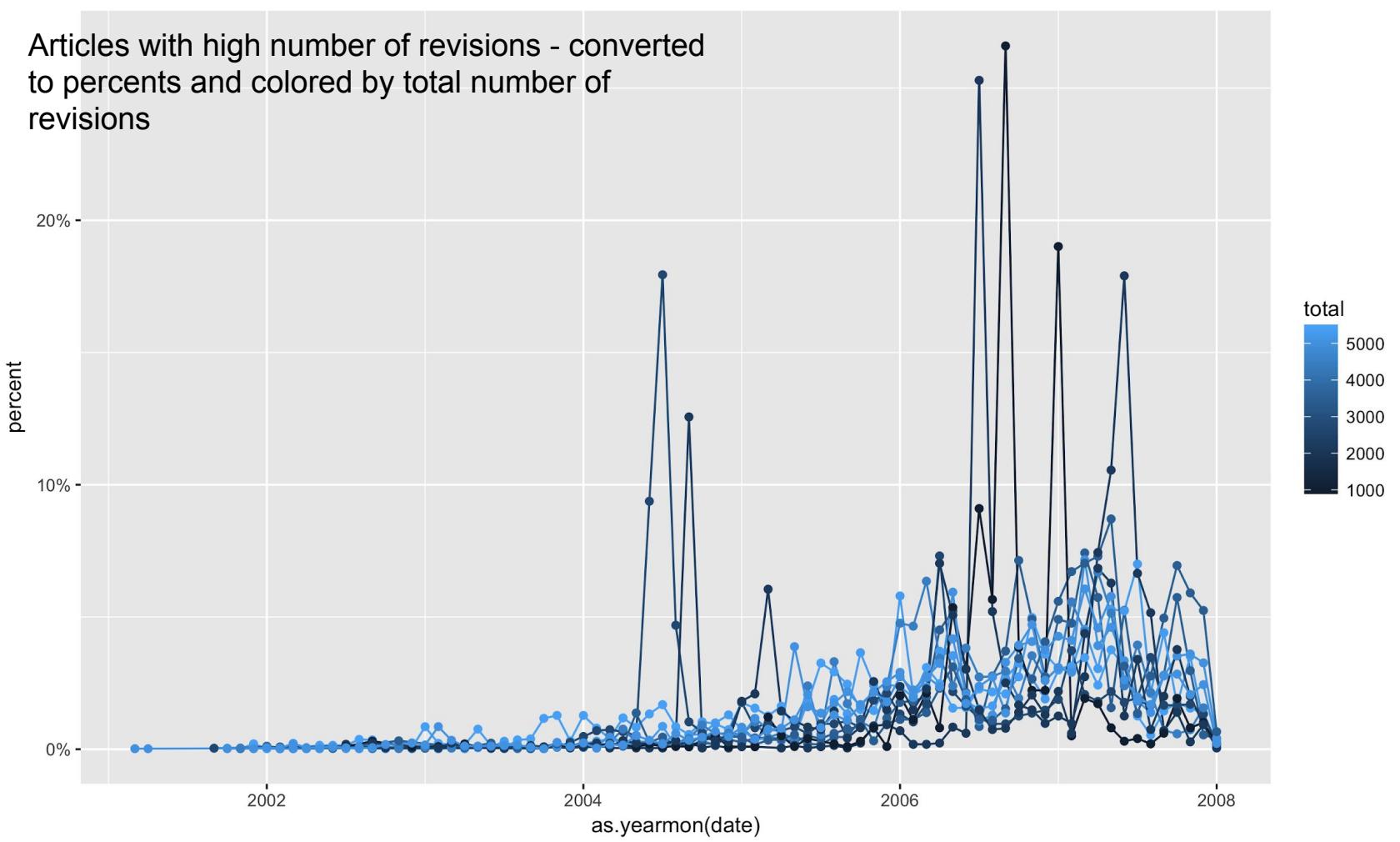


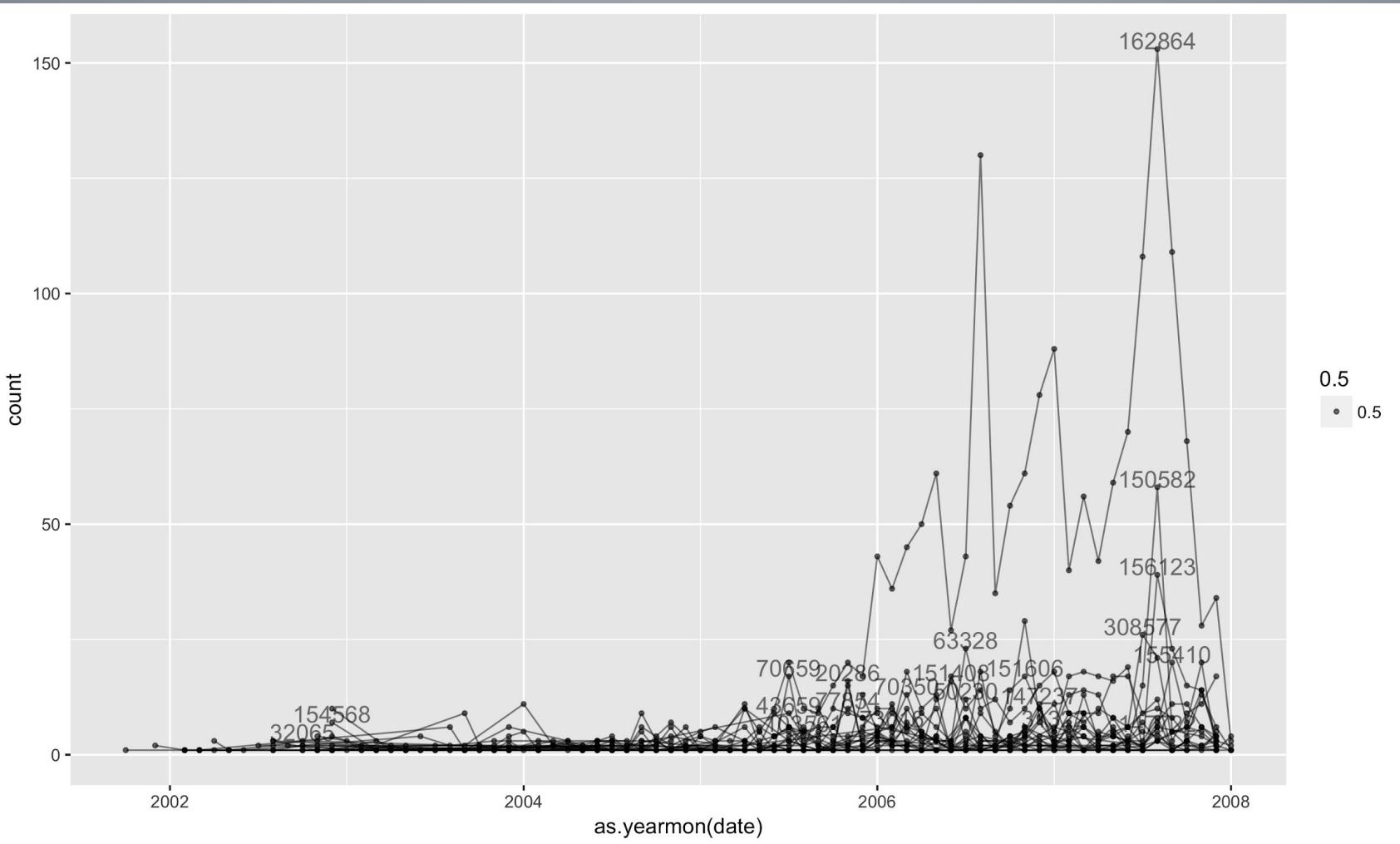


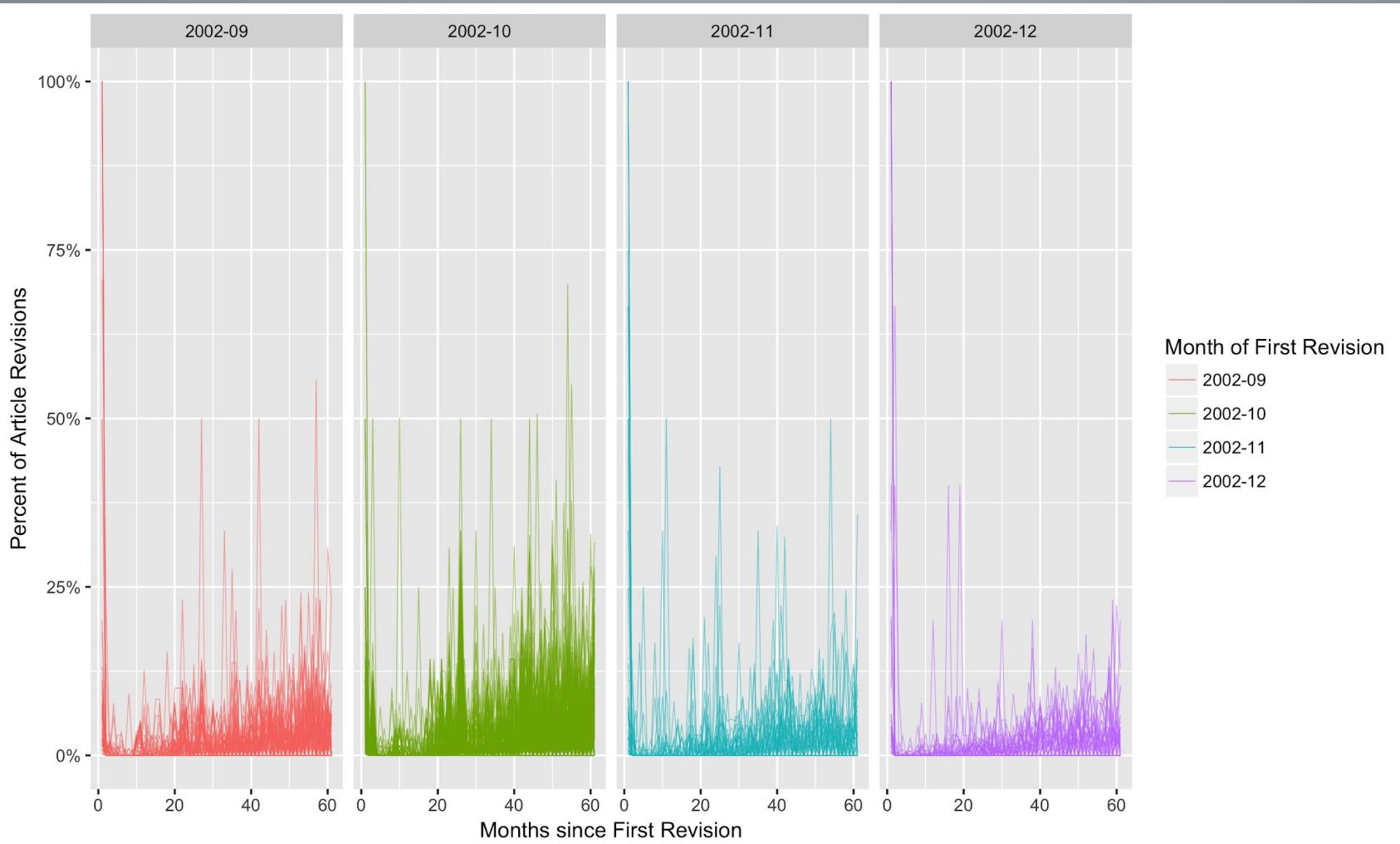
Articles with high number of revisions



Articles with high number of revisions - converted to percents and colored by total number of revisions







1-2

Percent of Article Revisions

100%
75%
50%
25%
0%

0 20 40 60

Months since First Revision

▼

Percent of Article Revisions

100%

75%

50%

25%

0%

0

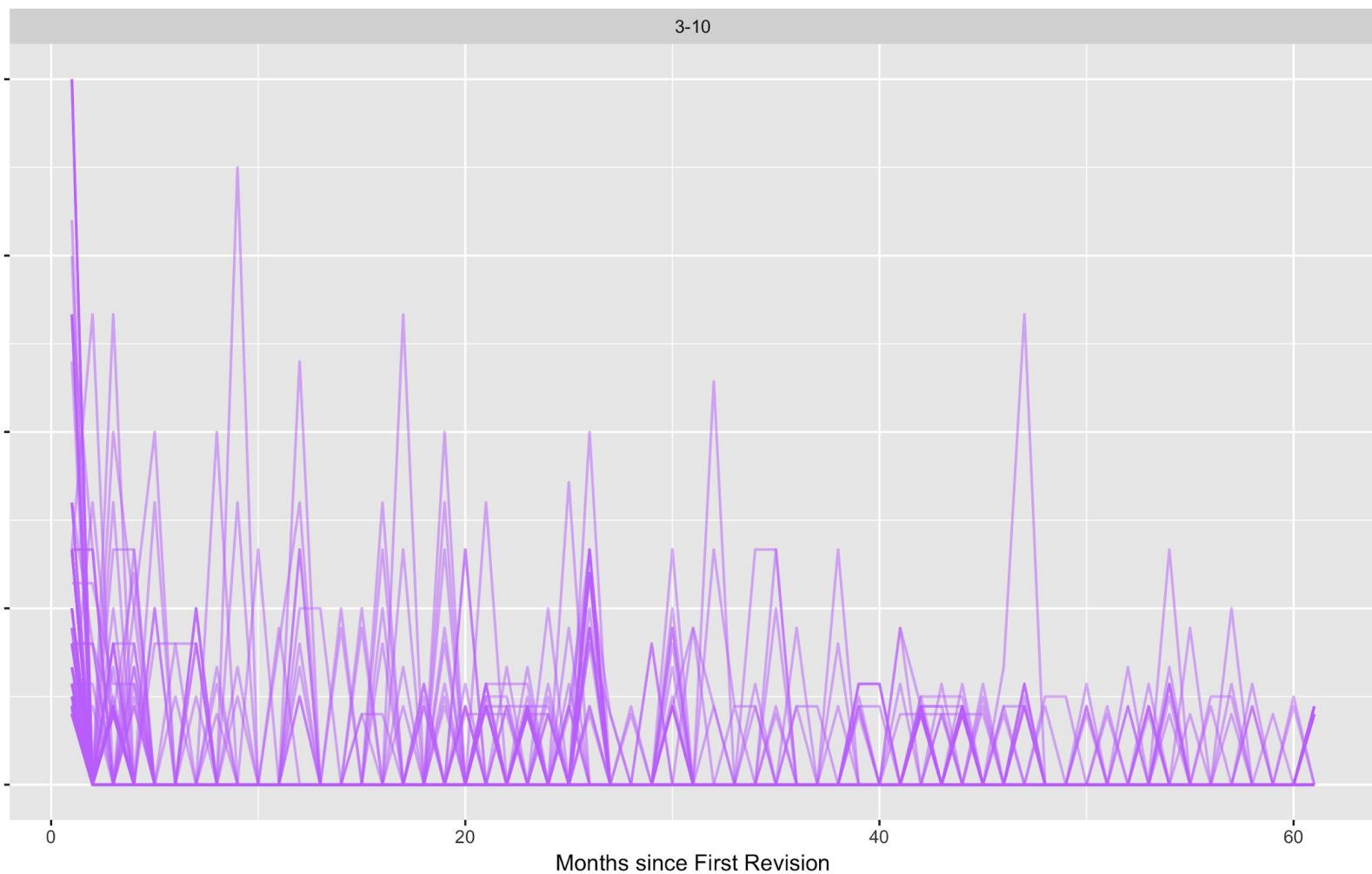
20

40

60

Months since First Revision

▼



10-25

Percent of Article Revisions

100%

75%

50%

25%

0%

0

20

40

60

Months since First Revision

▼

25-100

Percent of Article Revisions

100%

75%

50%

25%

0%

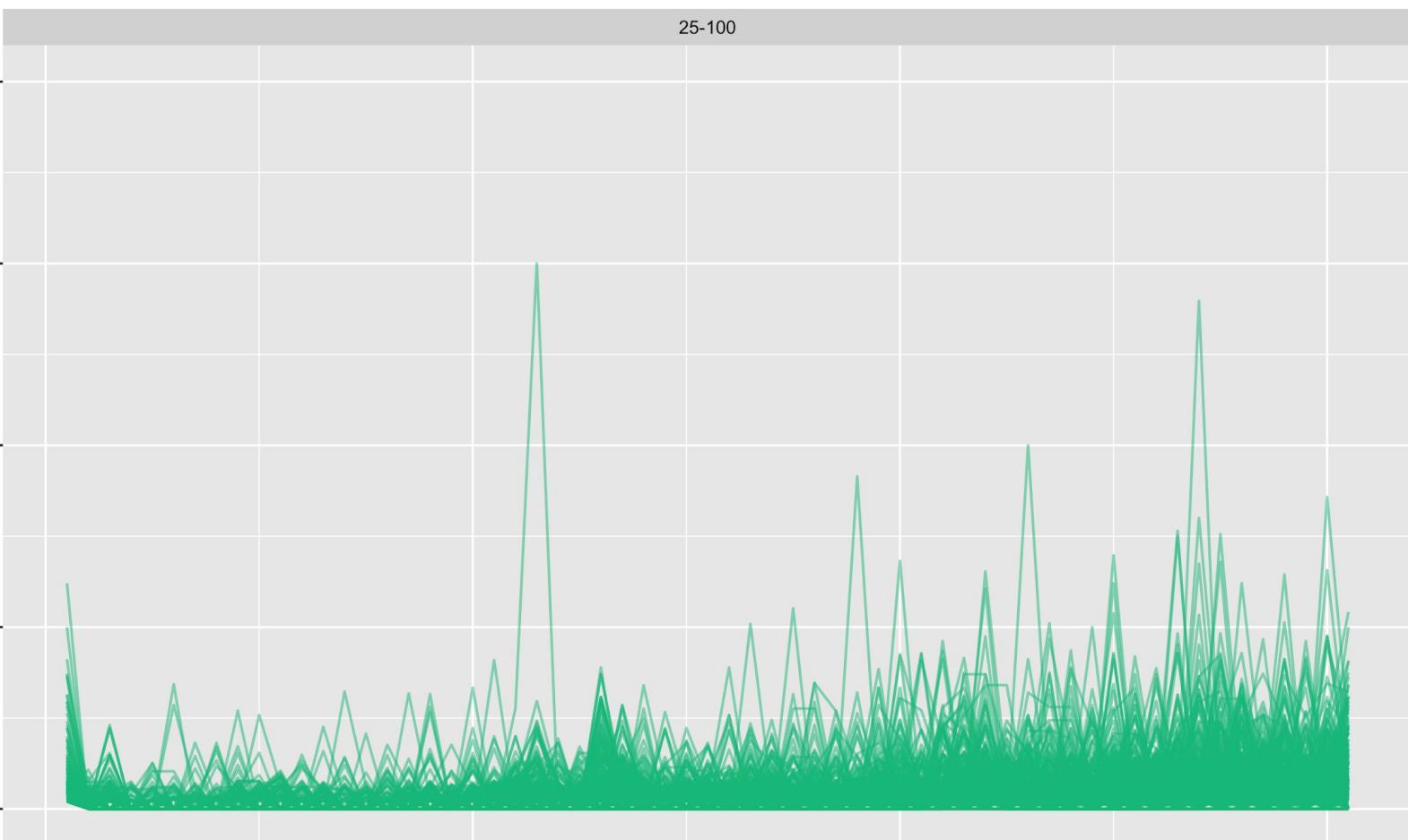
0

20

40

60

Months since First Revision



100-500

Percent of Article Revisions

100%

75%

50%

25%

0%

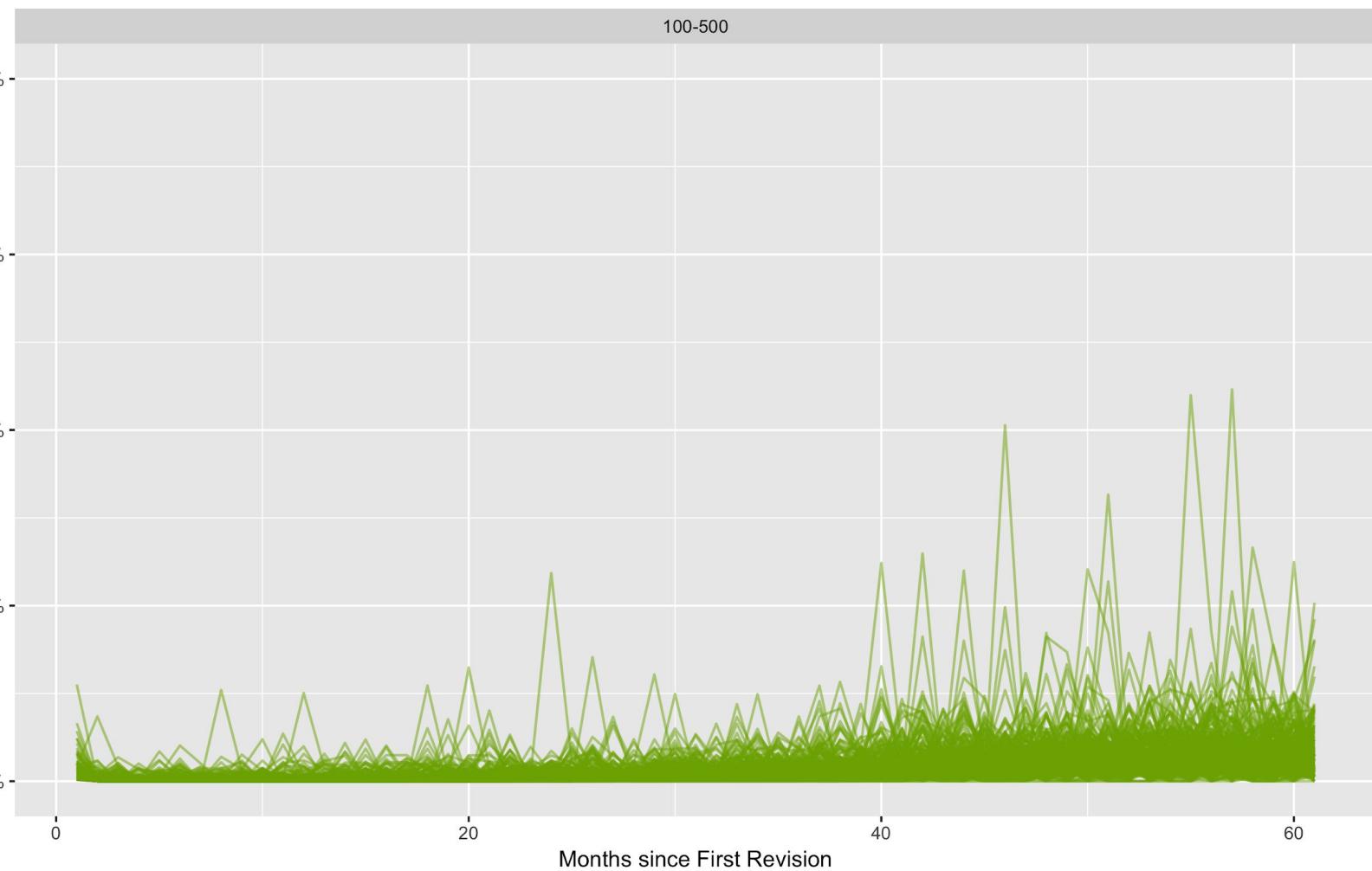
0

20

40

60

Months since First Revision



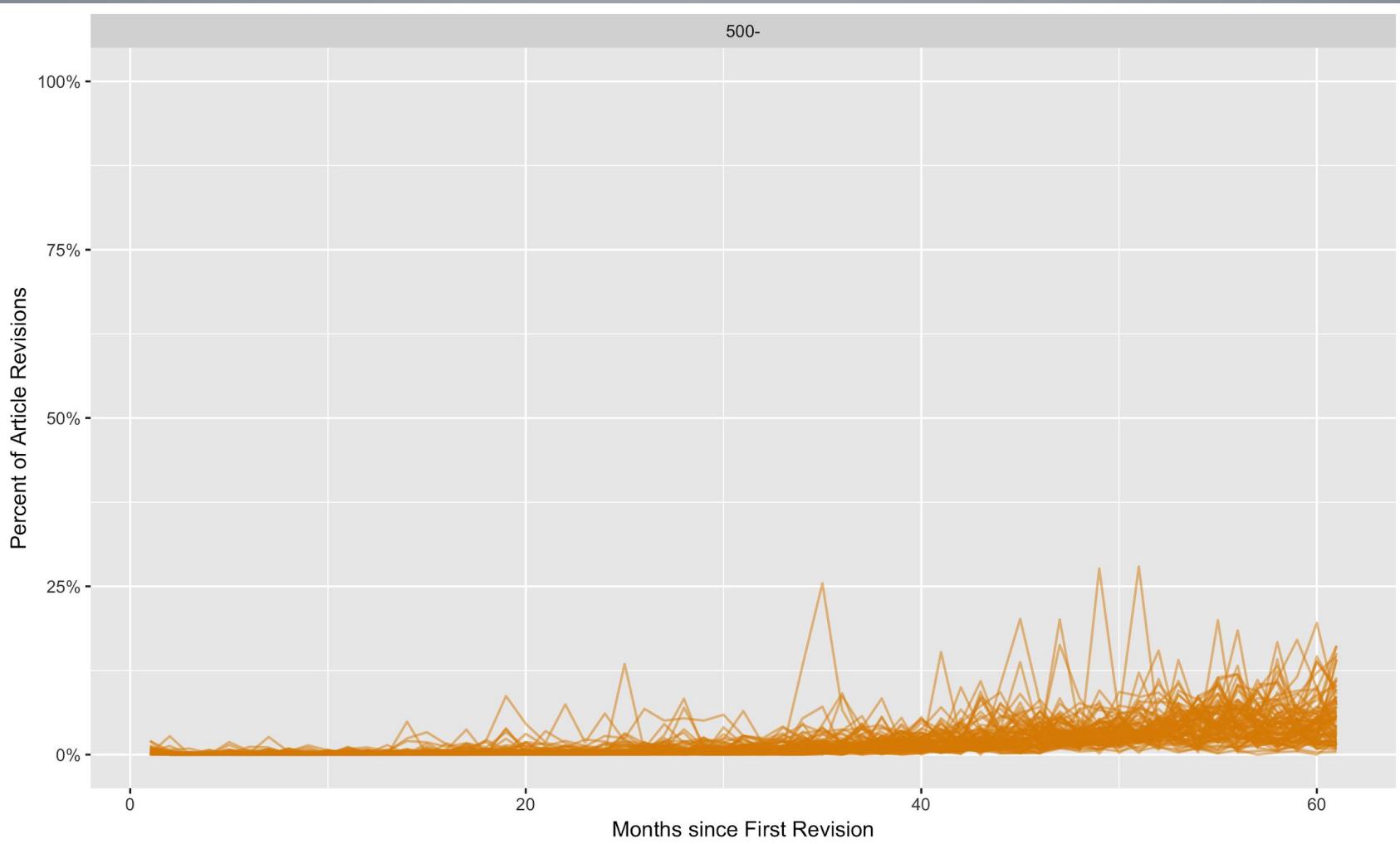
100-500

Percent of Article Revisions

40%
20%
0%

0 20 40 60

Months since First Revision



500-

Percent of Article Revisions

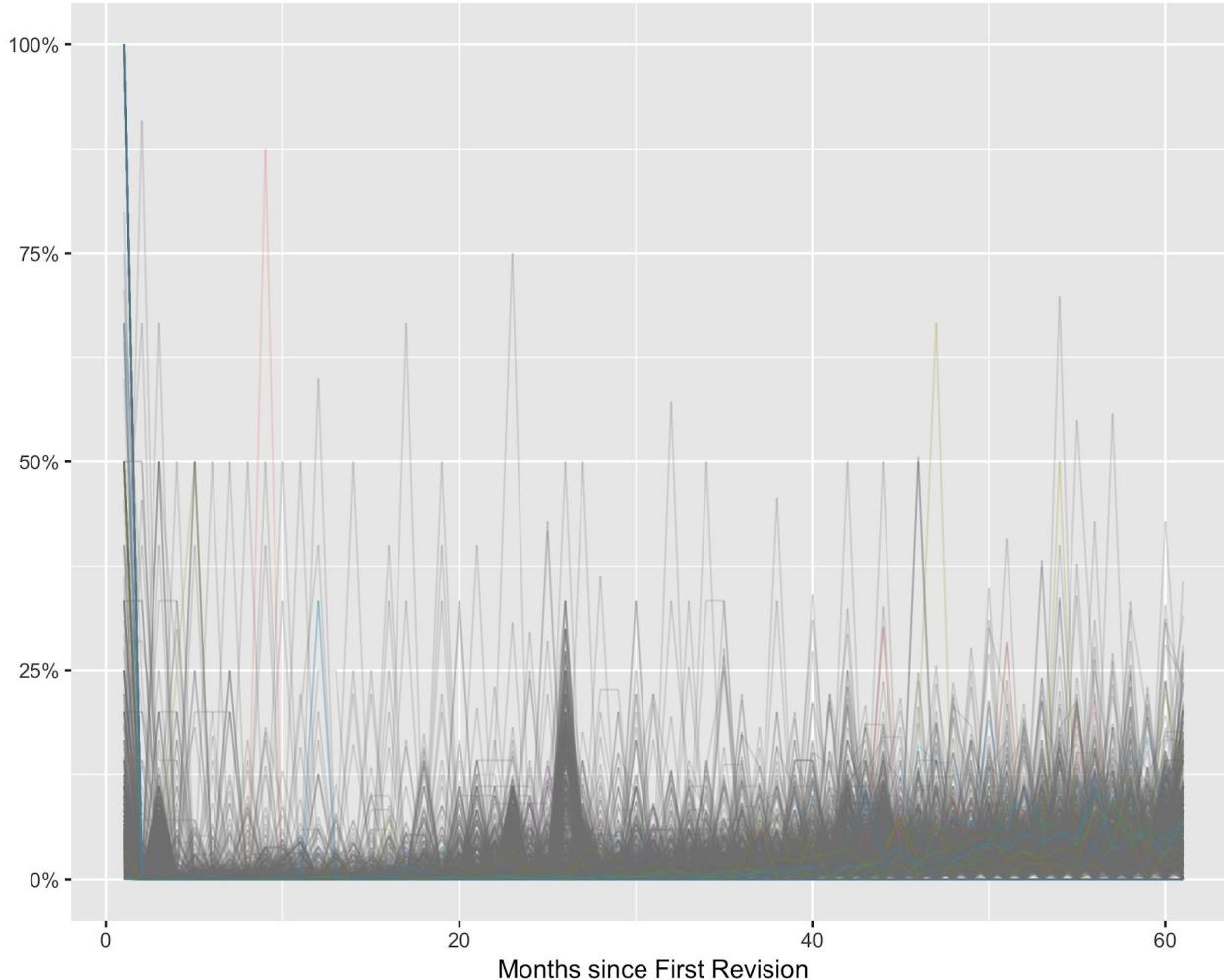
20%
10%
0%

0 20 40 60

Months since First Revision

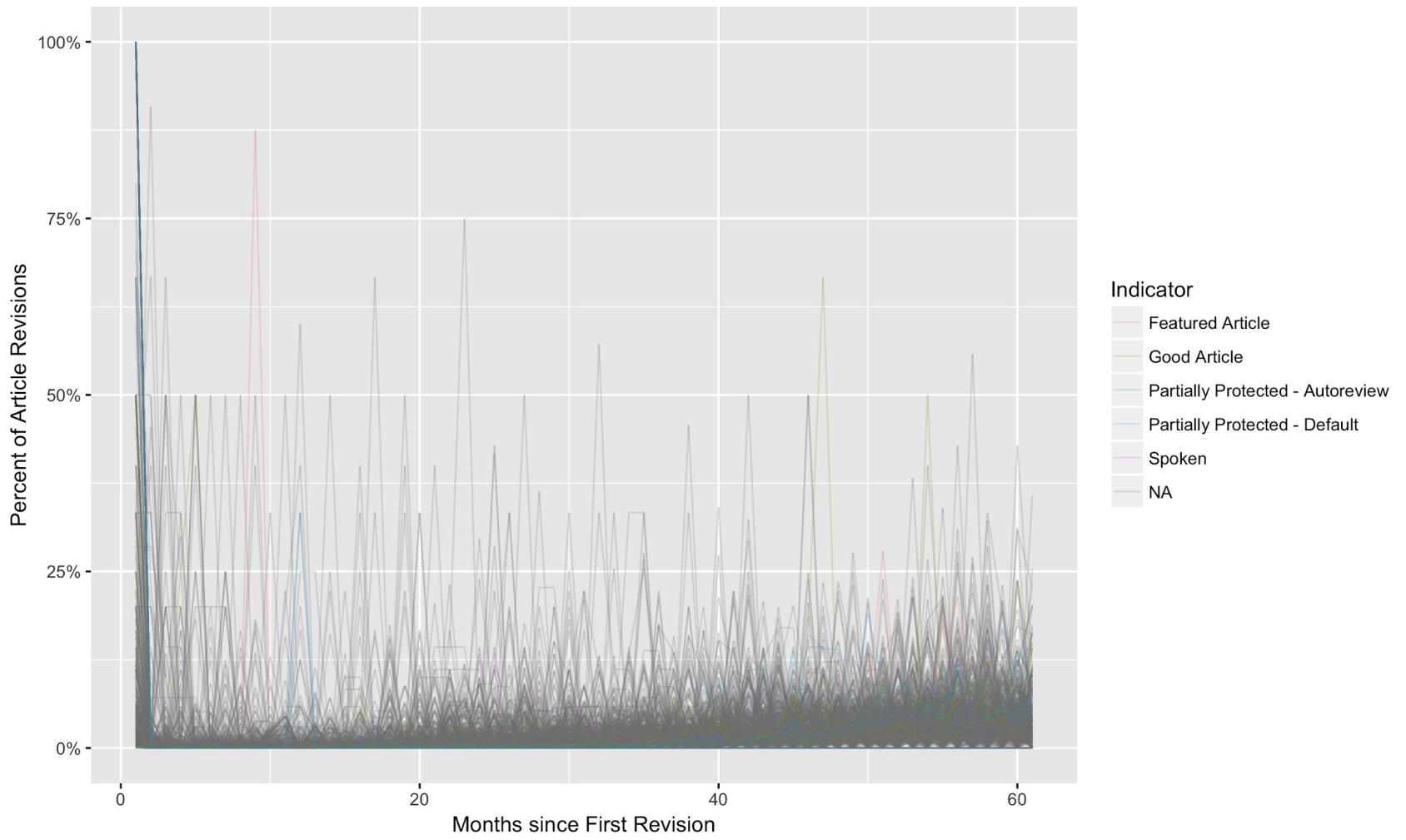
▼

Percent of Article Revisions

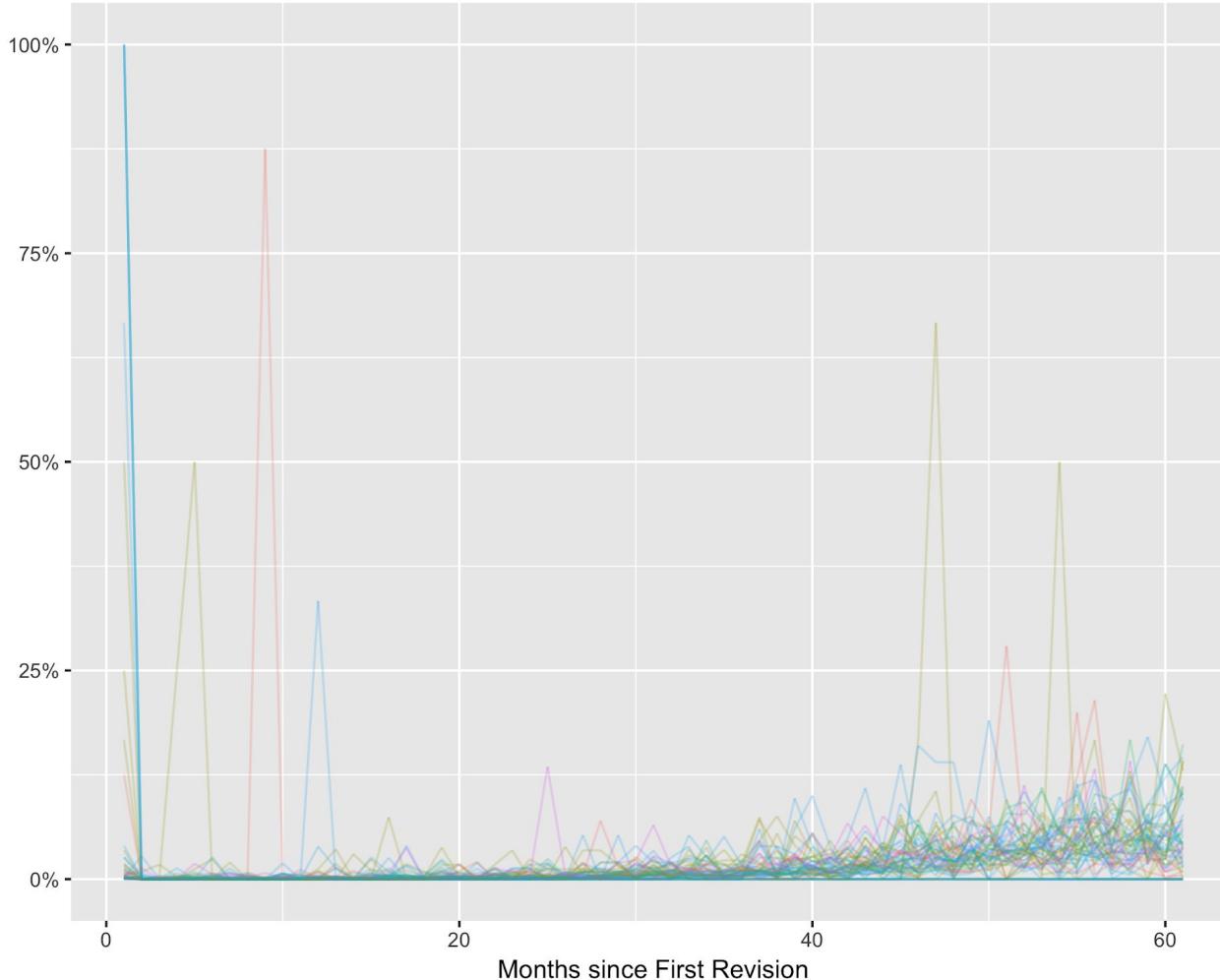


Indicator

- Featured Article
- Good Article
- Partially Protected - Autoreview
- Partially Protected - Default
- Spoken
- NA

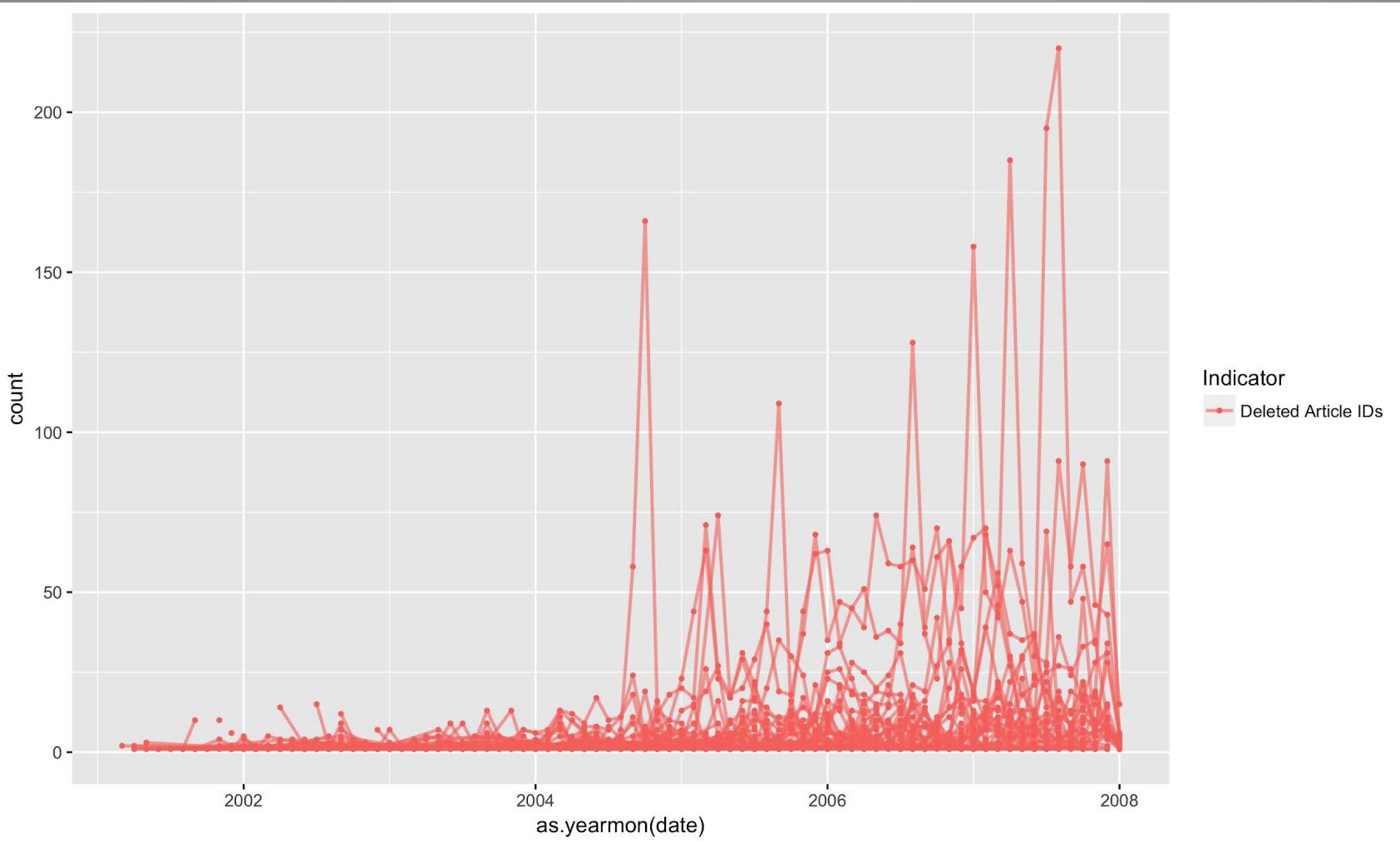


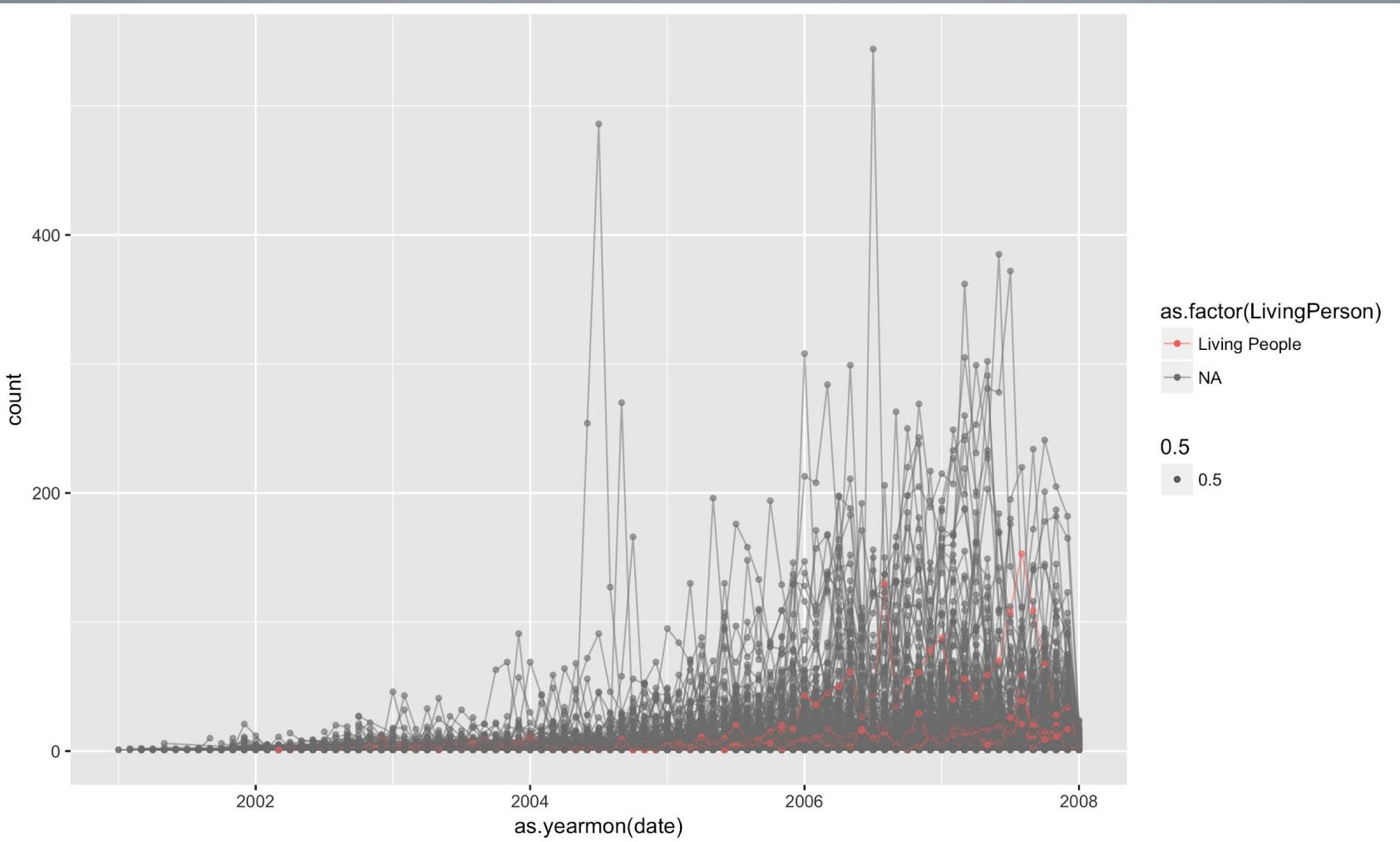
Percent of Article Revisions



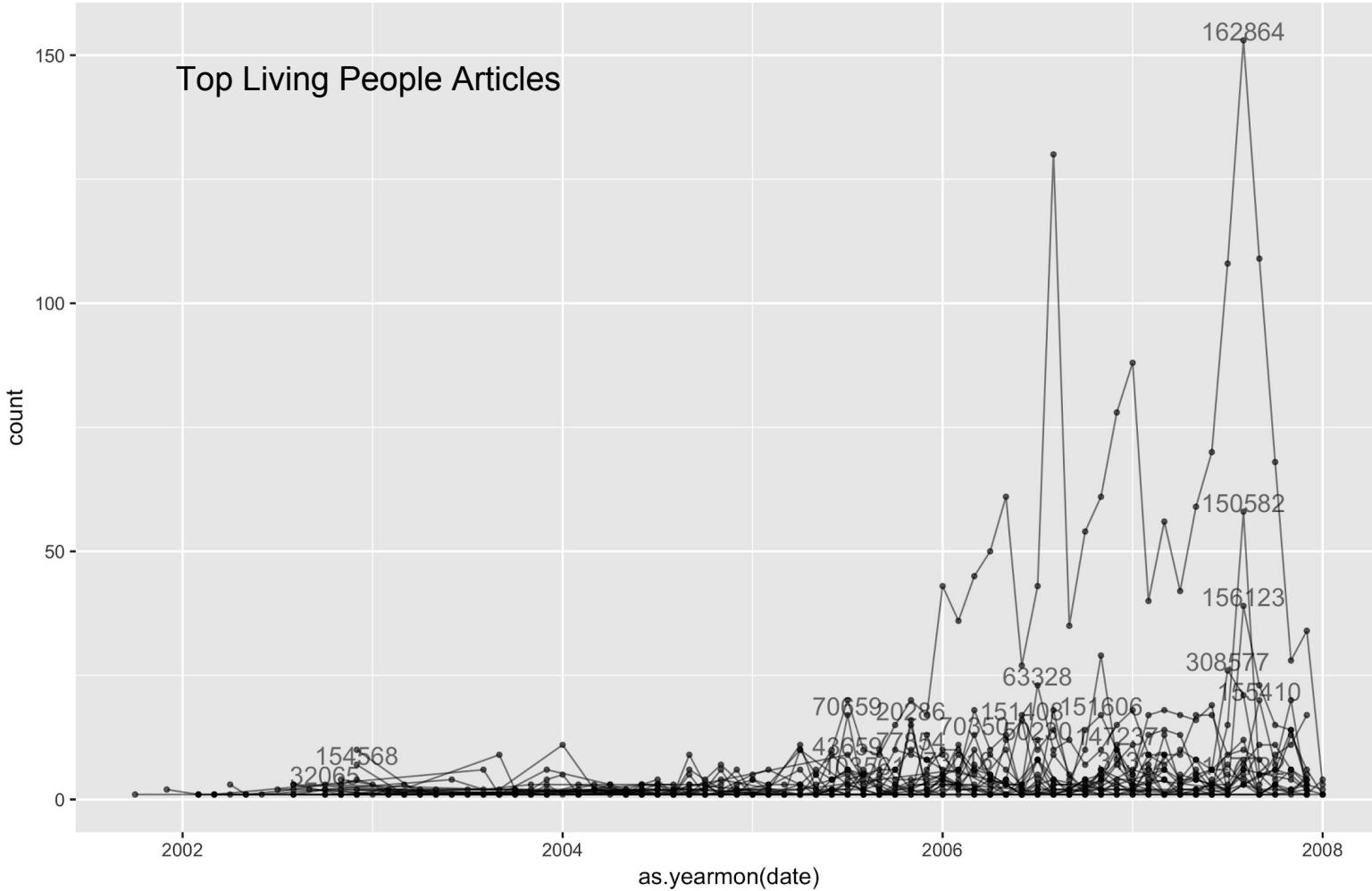
Indicator

- Featured Article
- Good Article
- Partially Protected - Autoreview
- Partially Protected - Default
- Spoken





Top Living People Articles



bins

1-2	:	4148
3-10	:	5429
10-25	:	13176
25-100	:	19276
100-500	:	13847
500-	:	5124

Divided by 61 for number of articles

68
89
216
316
227
84