

Pageviews-edits-data-viz-Clean

April 10, 2020

1 Page views time series.

Log scale makes local peaks more visible. Linear scale plots are in plots/pageviews if you want to see them.

	Unnamed: 0	project	article	granularity	access	\
0	0	hi.wikipedia	Kashmir conflict	daily	all-access	
1	1	hi.wikipedia	Kashmir conflict	daily	all-access	
2	2	hi.wikipedia	Kashmir conflict	daily	all-access	
3	3	hi.wikipedia	Kashmir conflict	daily	all-access	
4	4	hi.wikipedia	Kashmir conflict	daily	all-access	

	agent	views	date
0	all-agents	104	2019-01-01
1	all-agents	144	2019-01-02
2	all-agents	159	2019-01-03
3	all-agents	174	2019-01-04
4	all-agents	145	2019-01-05

/home/molly/anaconda3/lib/python3.7/site-packages/ipykernel_launcher.py:23:

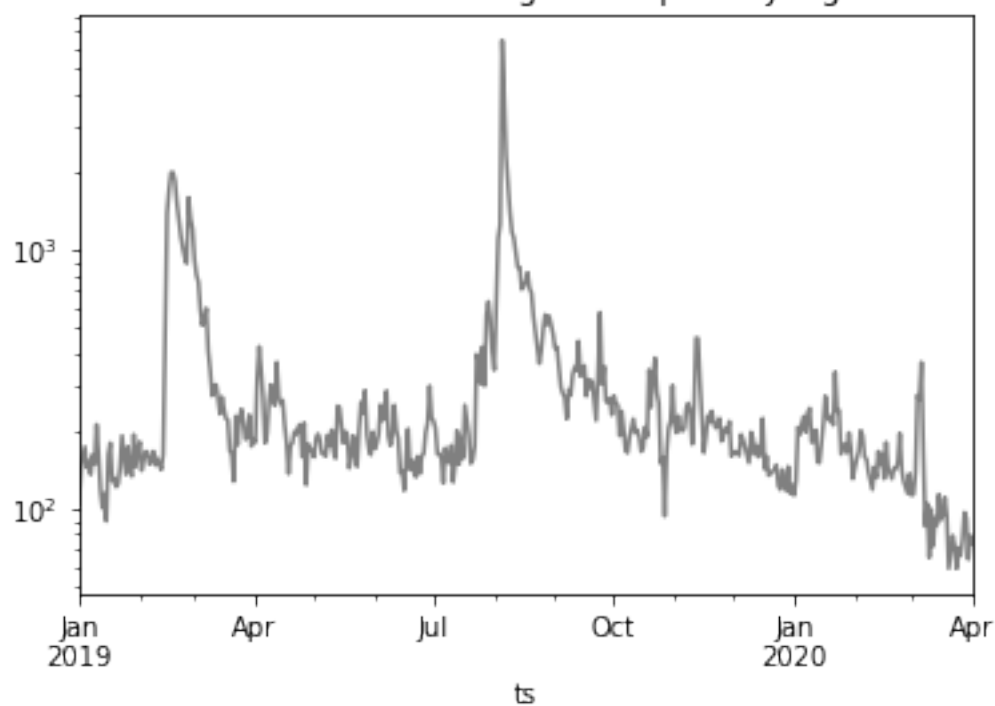
SettingWithCopyWarning:

A value is trying to be set on a copy of a slice from a DataFrame.

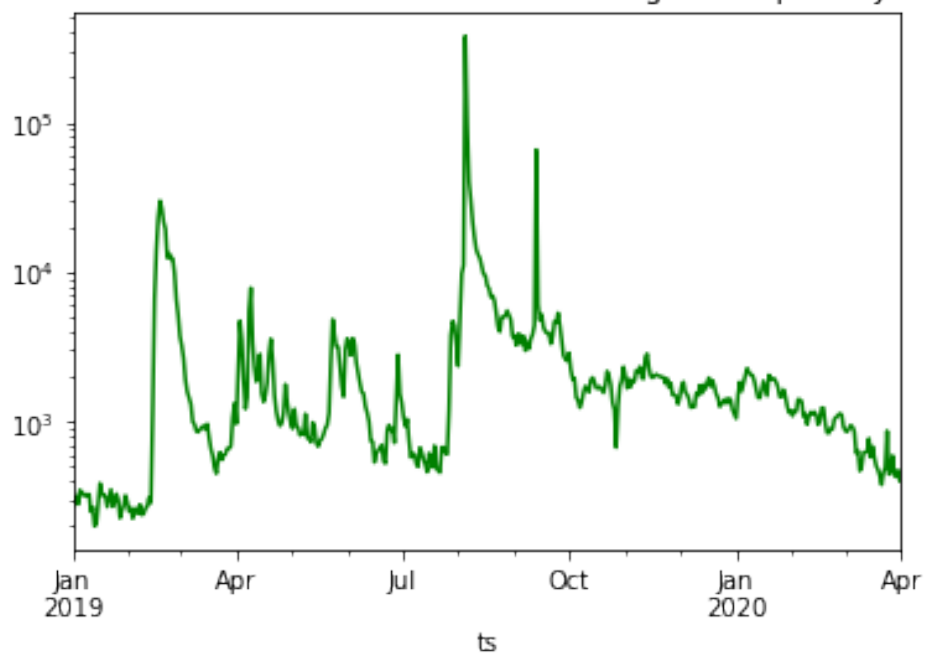
Try using .loc[row_indexer,col_indexer] = value instead

See the caveats in the documentation: http://pandas.pydata.org/pandas-docs/stable/user_guide/indexing.html#returning-a-view-versus-a-copy

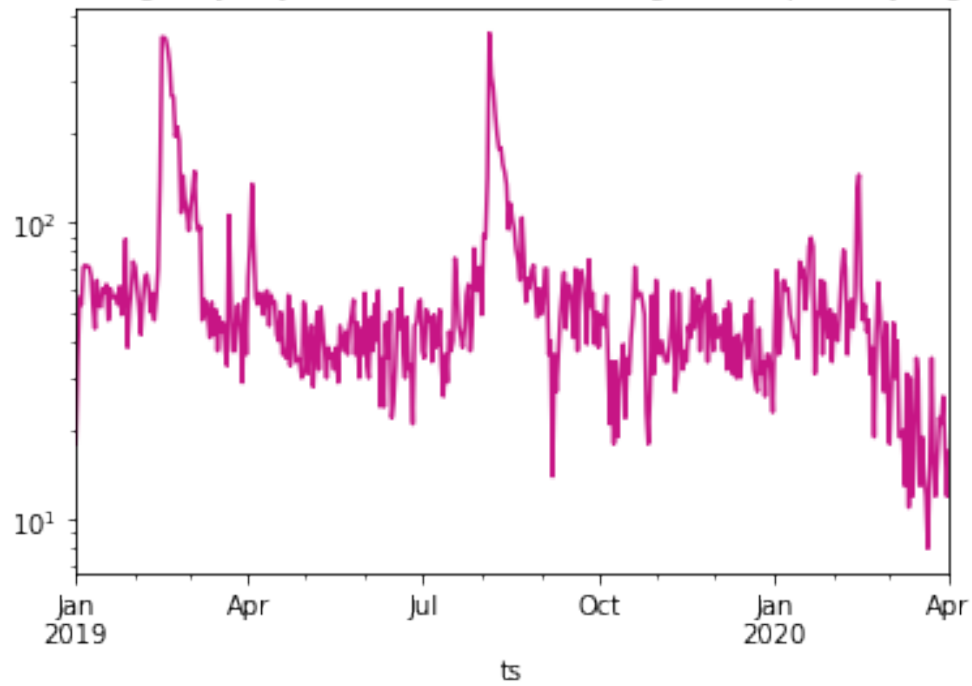
Hindi Kashmir conflict Pageviews per day log scale



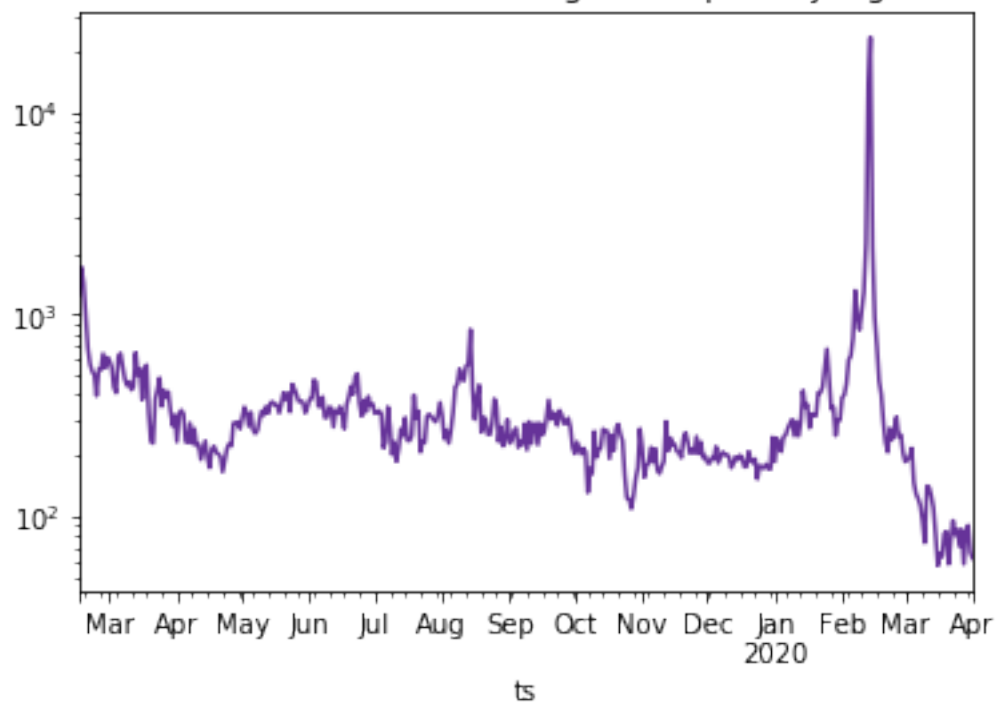
Hindi Article 370 of the Constitution of India Pageviews per day log scale



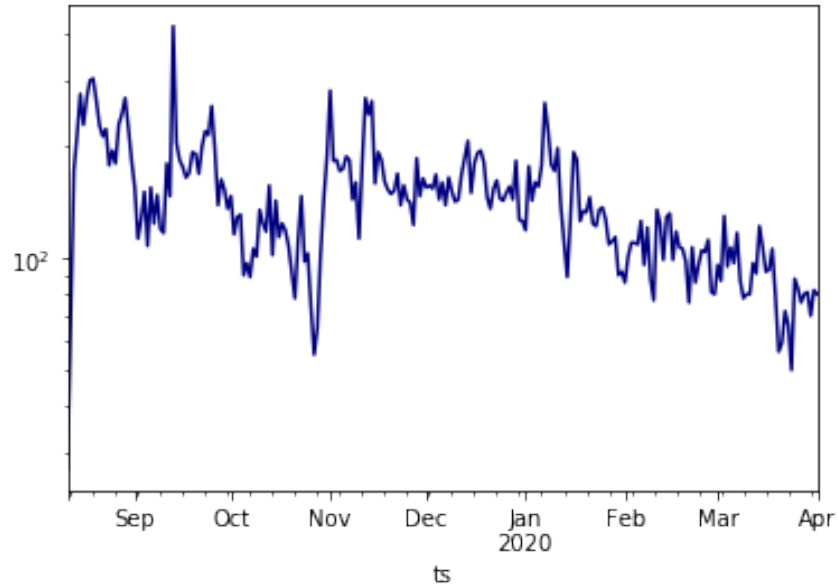
Hindi Insurgency in Jammu and Kashmir Pageviews per day log scale



Hindi 2019 Pulwama attack Pageviews per day log scale



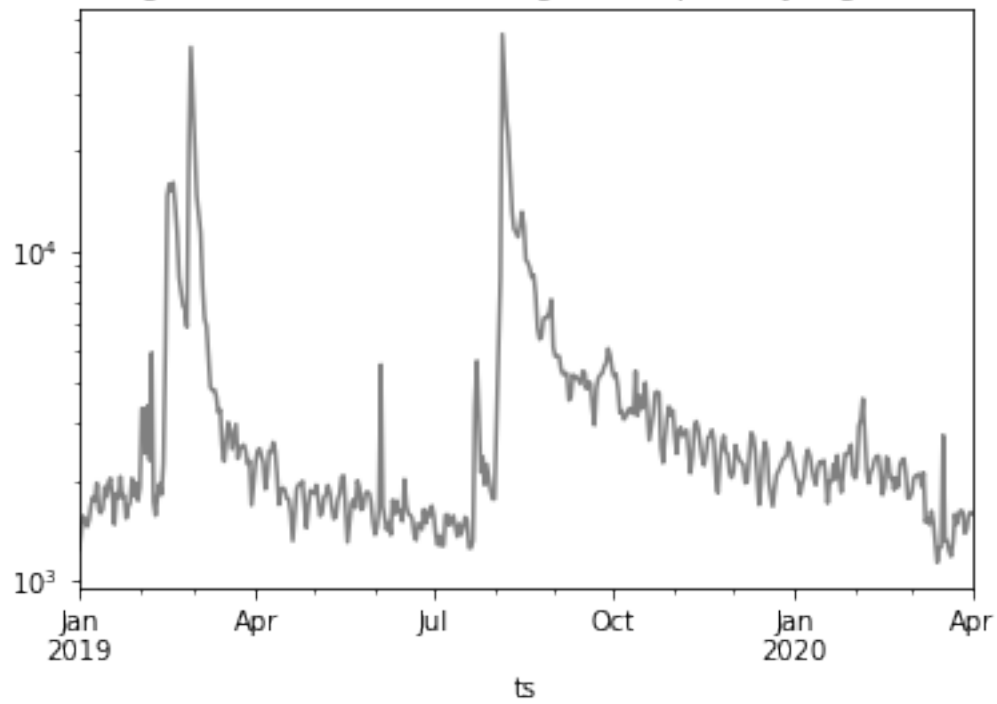
Hindi Jammu and Kashmir Reorganisation Act, 2019 Pageviews per day log scale



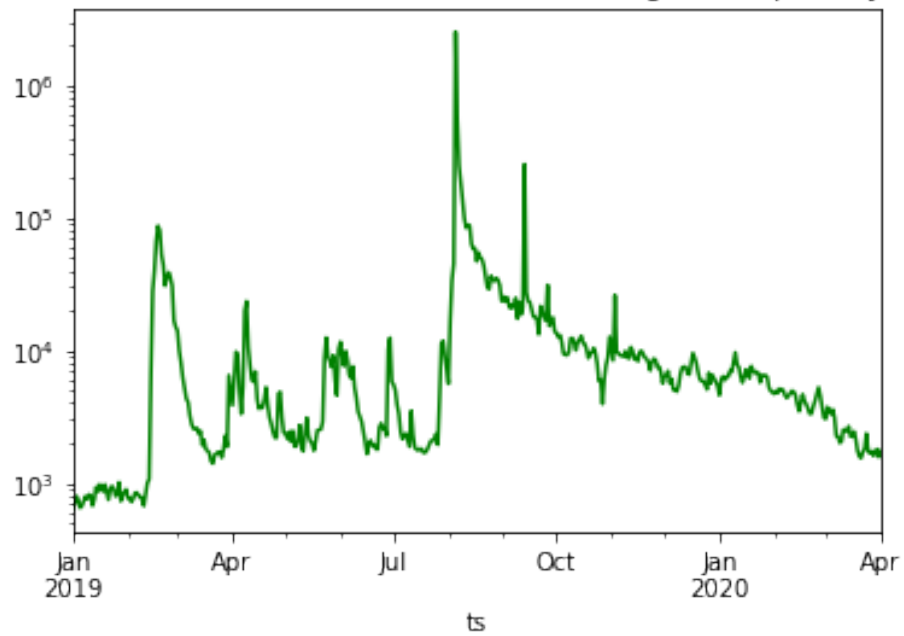
	Unnamed: 0	project	article	granularity	access	\
0	0	en.wikipedia	Kashmir conflict	daily	all-access	
1	1	en.wikipedia	Kashmir conflict	daily	all-access	
2	2	en.wikipedia	Kashmir conflict	daily	all-access	
3	3	en.wikipedia	Kashmir conflict	daily	all-access	
4	4	en.wikipedia	Kashmir conflict	daily	all-access	

	agent	views	date
0	all-agents	1233	2019-01-01
1	all-agents	1425	2019-01-02
2	all-agents	1558	2019-01-03
3	all-agents	1522	2019-01-04
4	all-agents	1447	2019-01-05

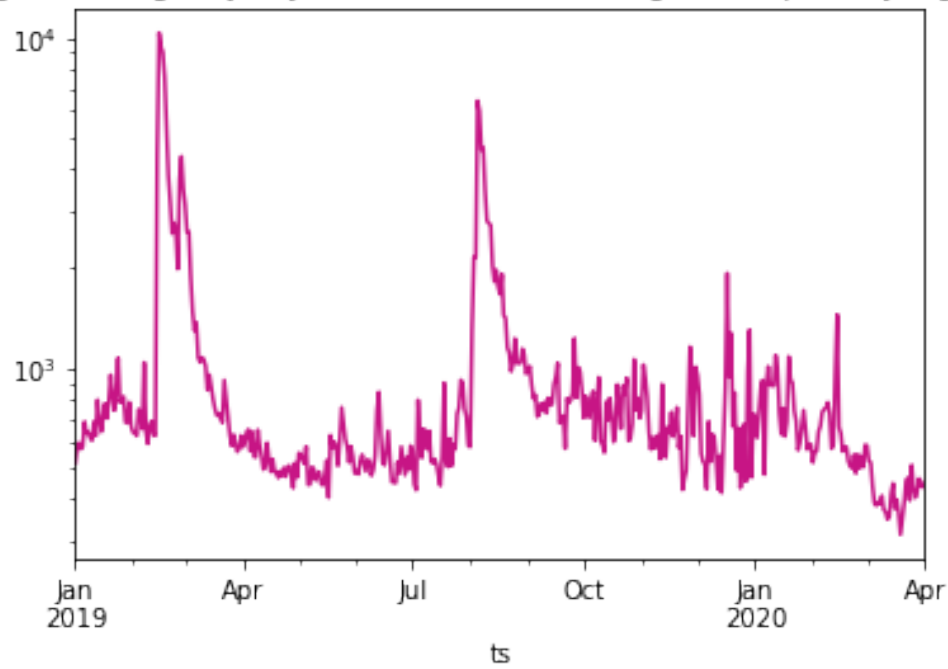
English Kashmir conflict Pageviews per day log scale



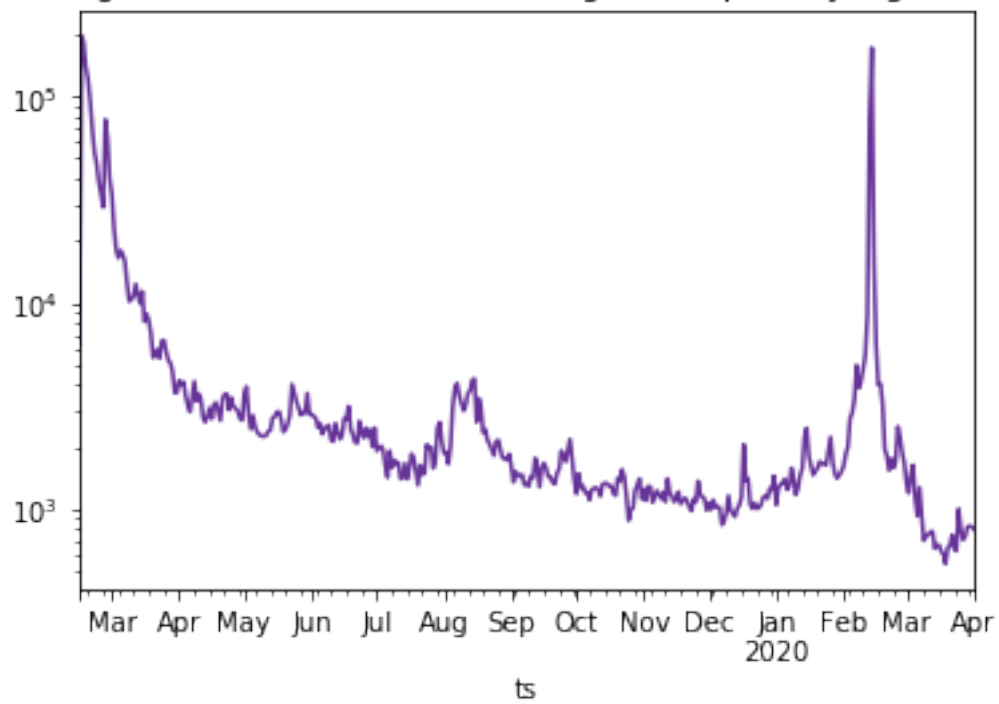
English Article 370 of the Constitution of India Pageviews per day log scale



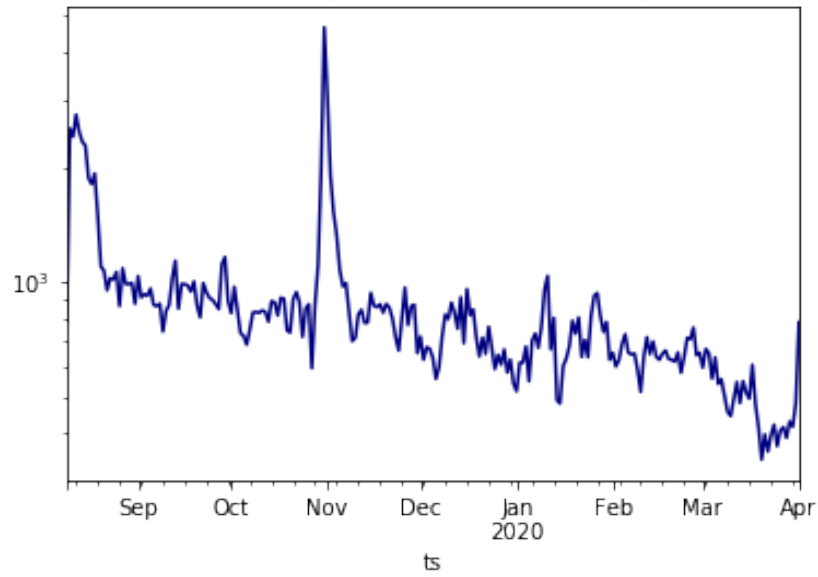
English Insurgency in Jammu and Kashmir Pageviews per day log scale



English 2019 Pulwama attack Pageviews per day log scale



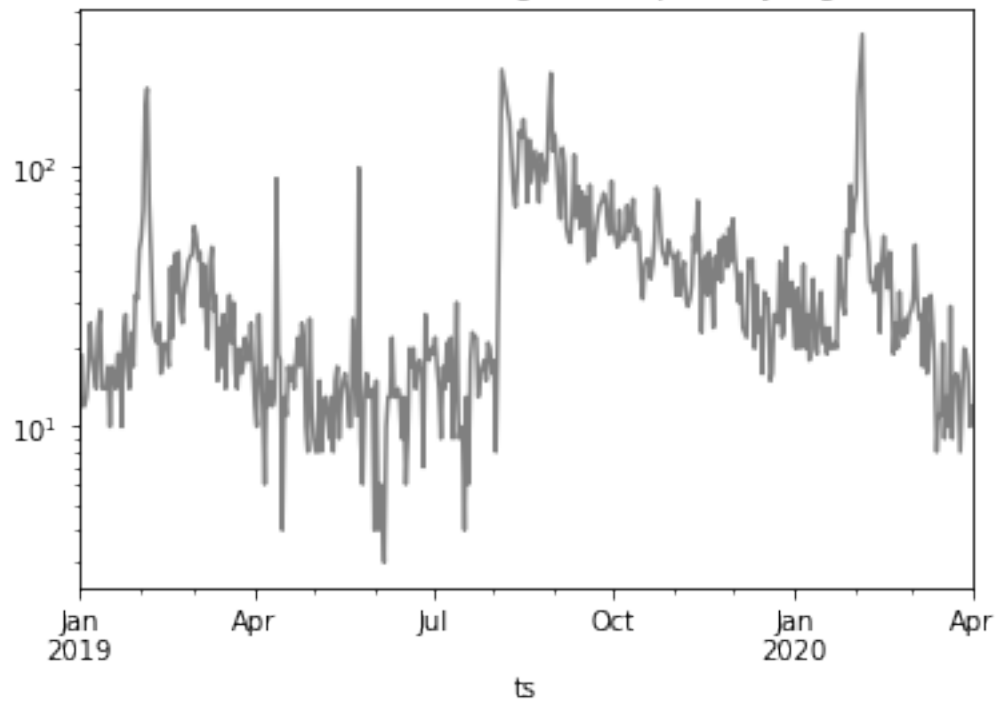
English Jammu and Kashmir Reorganisation Act, 2019 Pageviews per day log scale



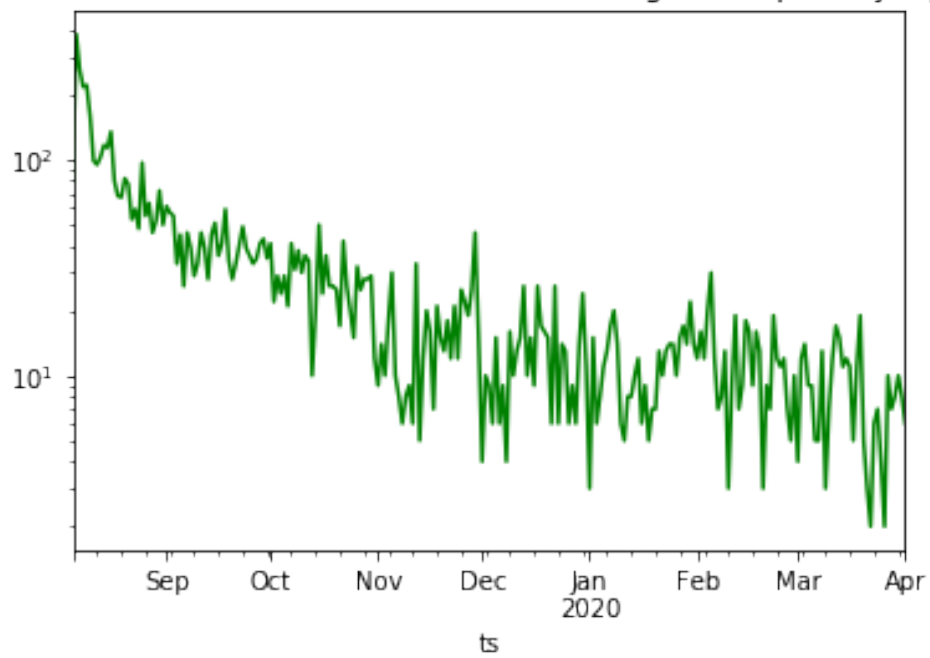
	Unnamed: 0	project	article	granularity	access	\
0	0	ur.wikipedia	Kashmir conflict	daily	all-access	
1	1	ur.wikipedia	Kashmir conflict	daily	all-access	
2	2	ur.wikipedia	Kashmir conflict	daily	all-access	
3	3	ur.wikipedia	Kashmir conflict	daily	all-access	
4	4	ur.wikipedia	Kashmir conflict	daily	all-access	

	agent	views	date
0	all-agents	9	2019-01-01
1	all-agents	19	2019-01-02
2	all-agents	12	2019-01-03
3	all-agents	12	2019-01-04
4	all-agents	13	2019-01-05

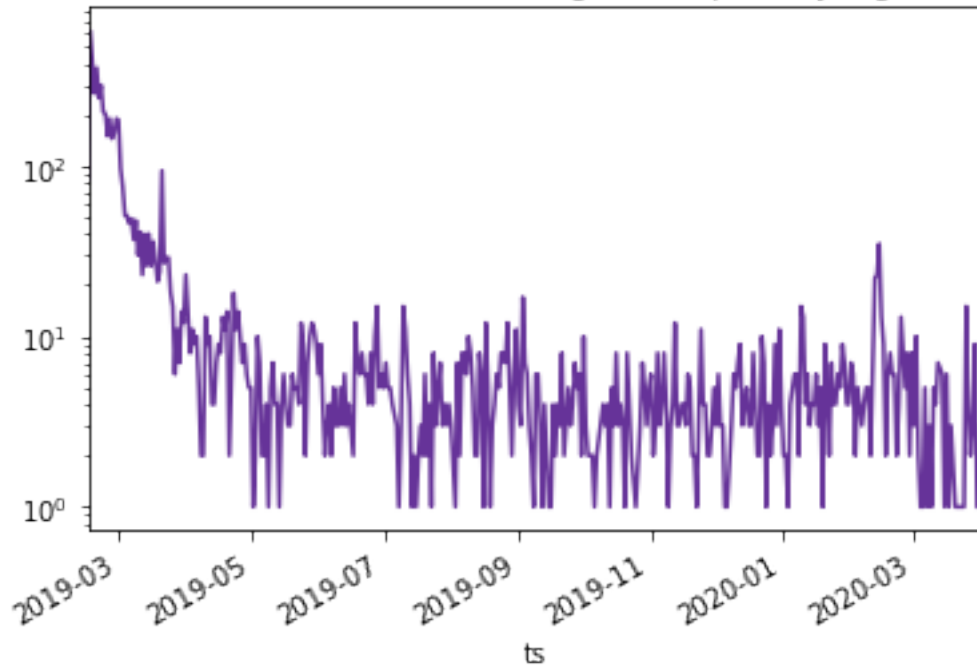
Urdu Kashmir conflict Pageviews per day log scale



Urdu Article 370 of the Constitution of India Pageviews per day log scale



Urdu 2019 Pulwama attack Pageviews per day log scale

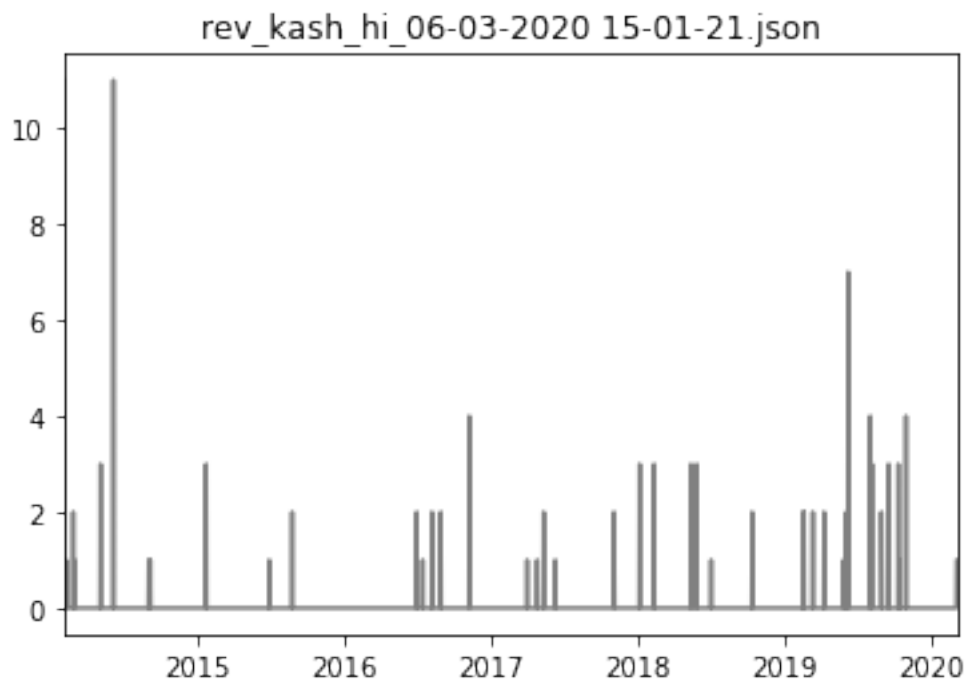
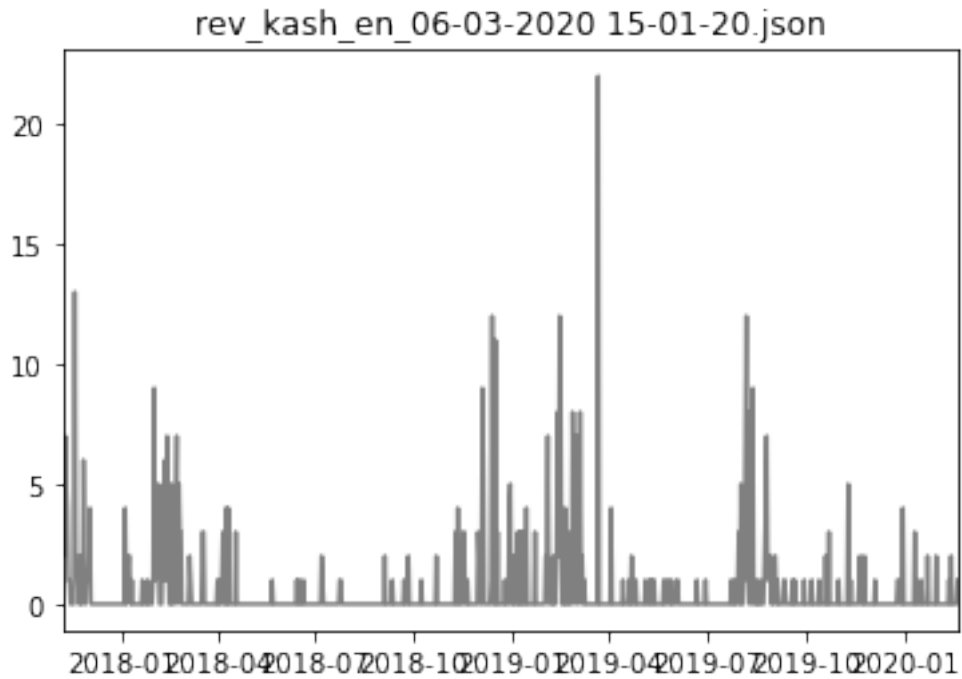


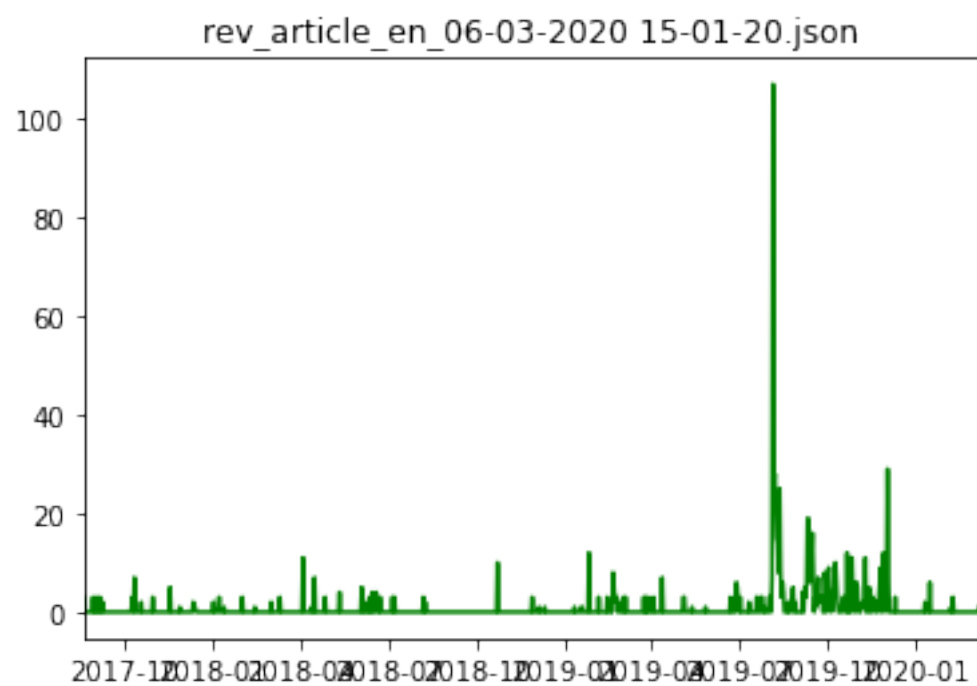
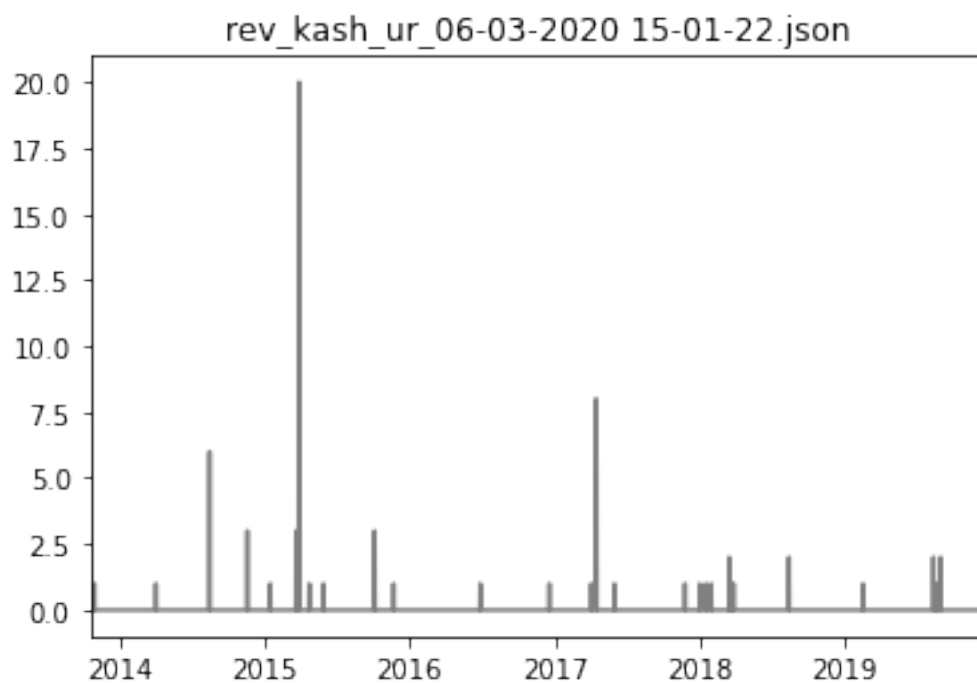
Urdu Jammu and Kashmir Reorganisation Act, 2019 Pageviews per day log scale

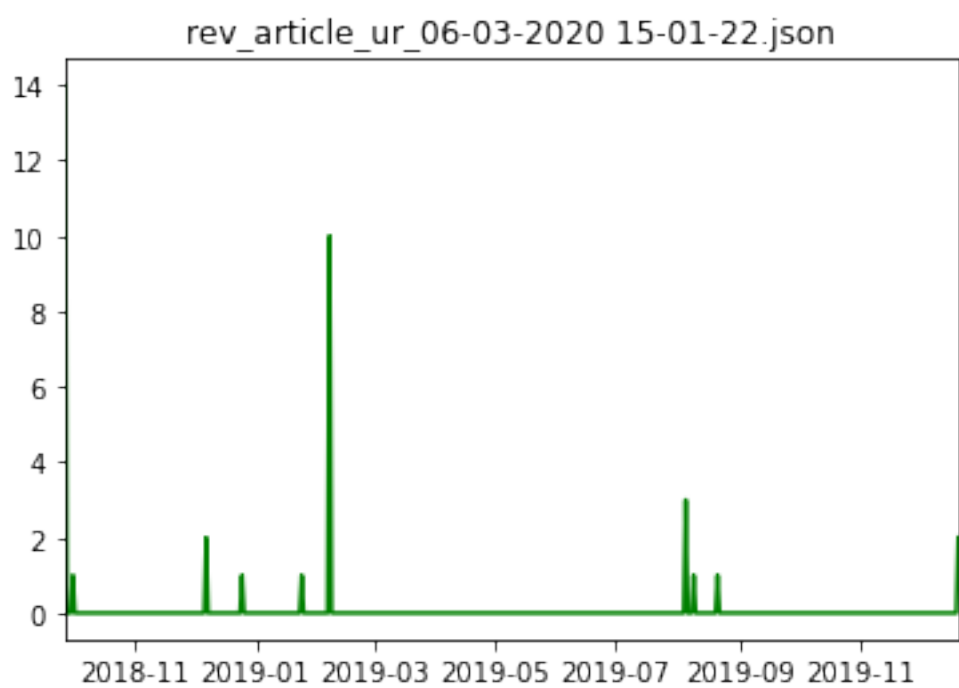
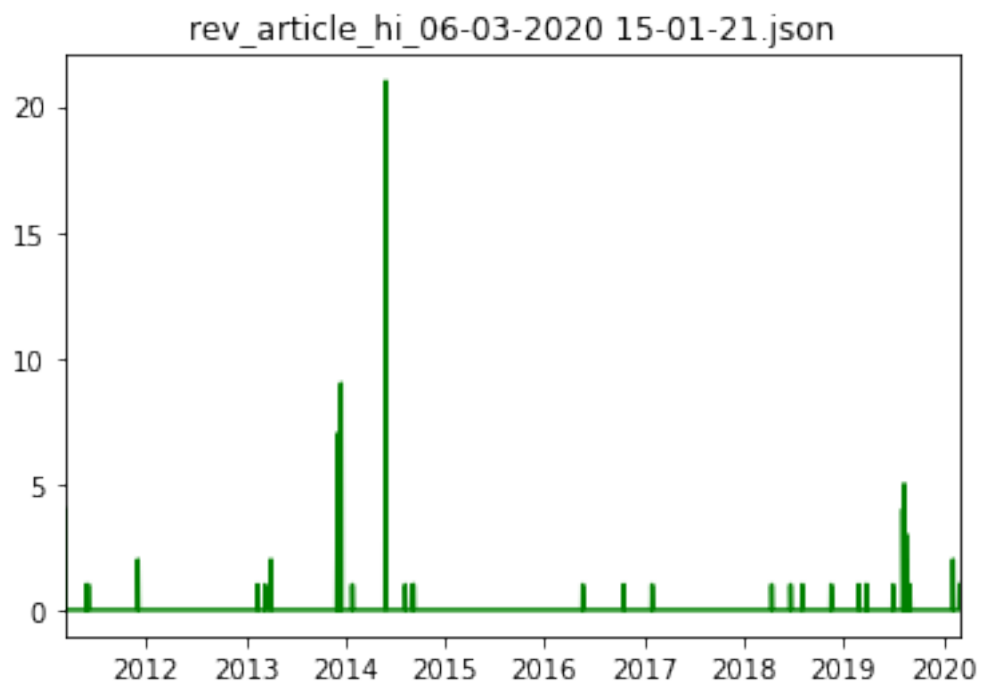


2 Edits per day timeseries

The original three articles: * Kashmir Conflict * Article 370 of the Constitution of India * Insurgency in Jammu and Kashmir

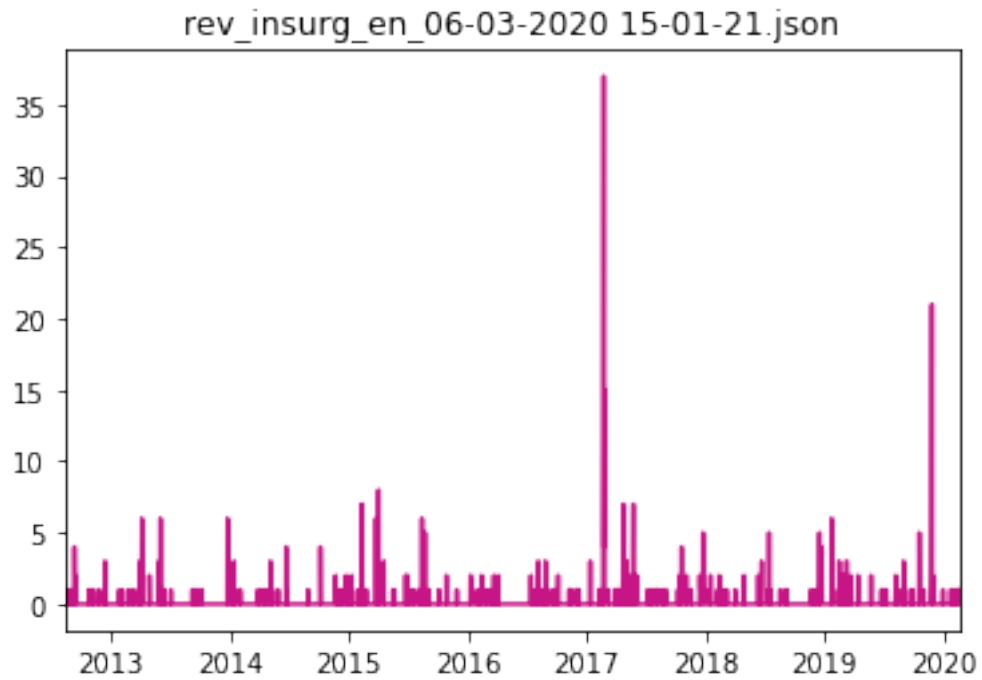




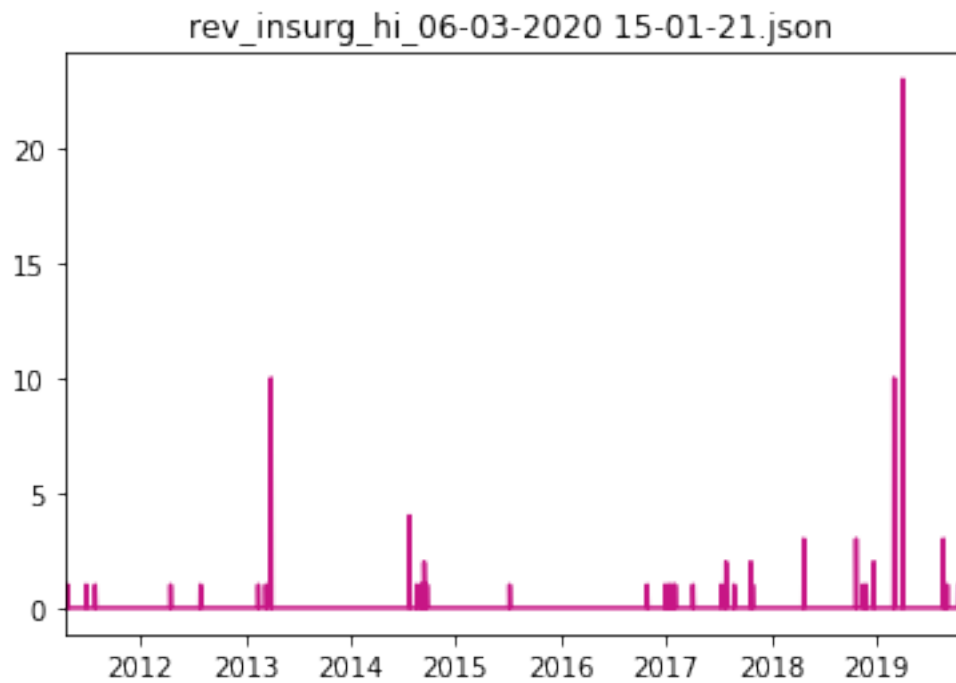


	user	timestamp	size	comment	total
2012-08-13	1	1	1	1	1

2012-08-14	0	0	0	0	0
2012-08-15	0	0	0	0	0
2012-08-16	0	0	0	0	0
2012-08-17	0	0	0	0	0

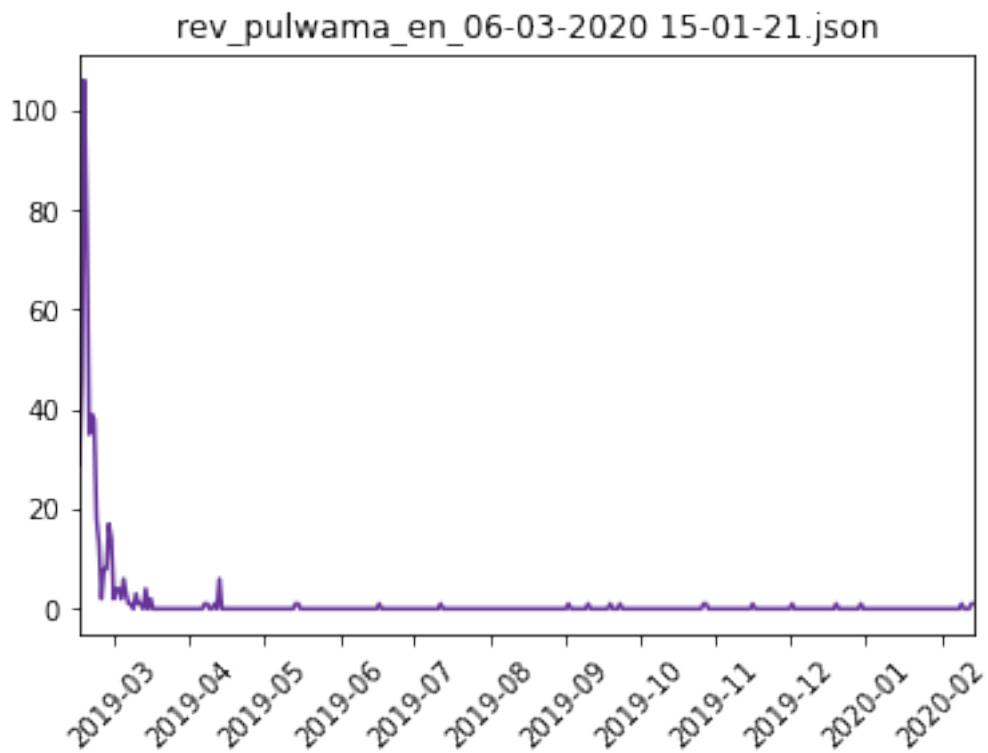


	user	timestamp	size	comment	anon	total
2011-04-14	1	1	1	1	0	1
2011-04-15	0	0	0	0	0	0
2011-04-16	0	0	0	0	0	0
2011-04-17	0	0	0	0	0	0
2011-04-18	0	0	0	0	0	0

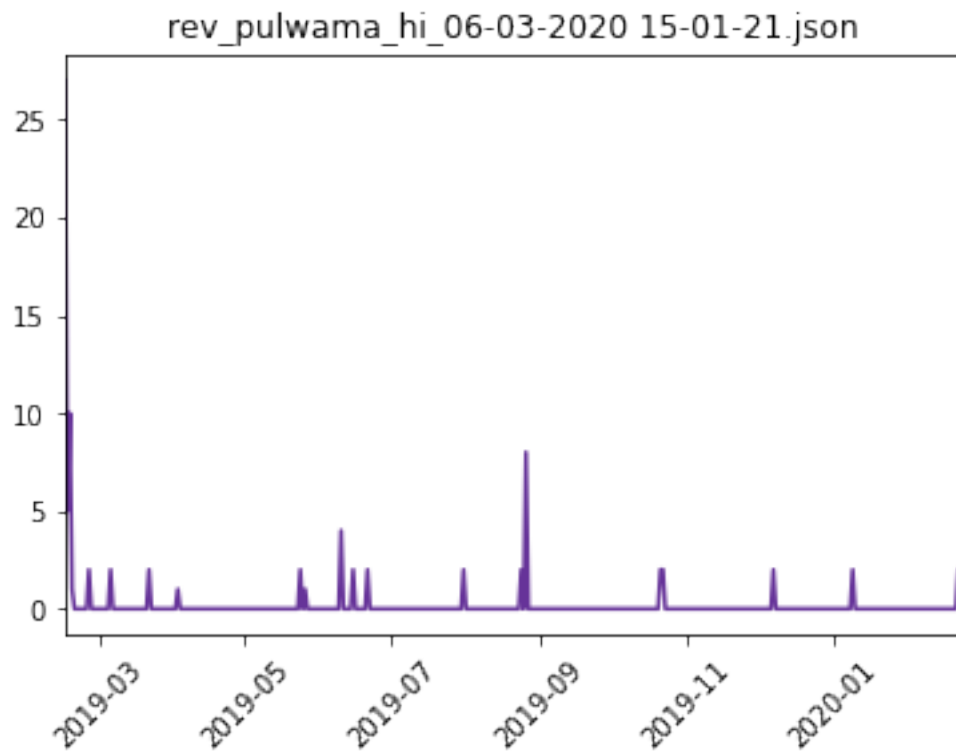


“Pulwama Attack 2019” pages

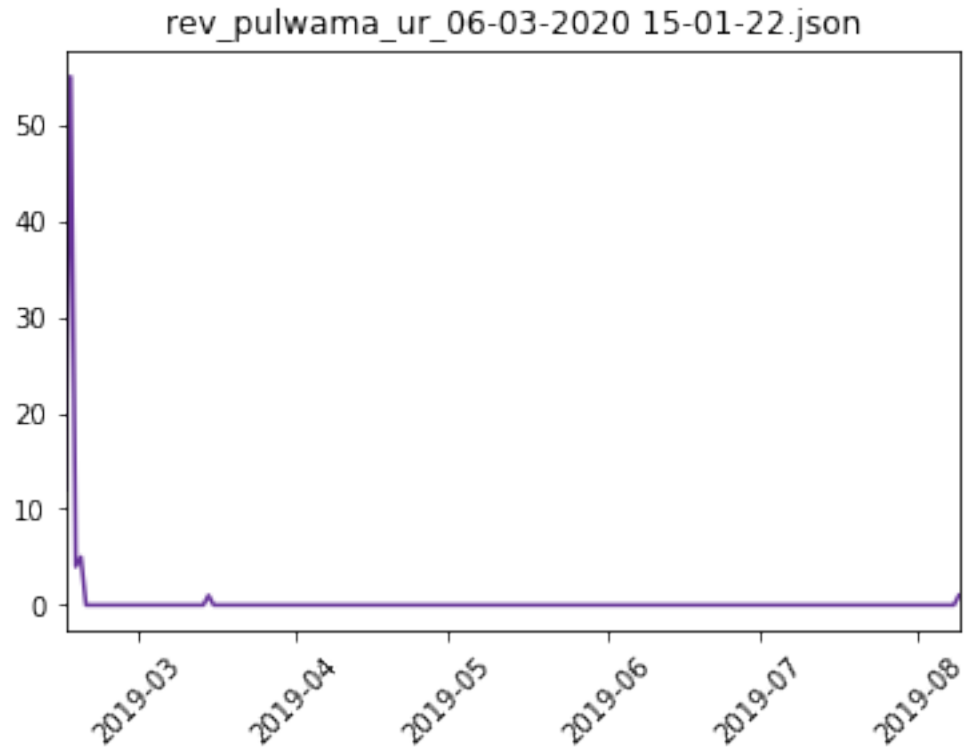
	user	timestamp	size	comment	anon	total
2019-02-15	29	29	29	29	0	29
2019-02-16	46	46	46	46	0	46
2019-02-17	106	106	106	106	0	106
2019-02-18	67	67	67	67	10	77
2019-02-19	35	35	35	35	0	35



	user	anon	timestamp	size	comment	total
2019-02-15	27	0	27	27	27	27
2019-02-16	5	0	5	5	5	5
2019-02-17	7	3	7	7	7	10
2019-02-18	1	0	1	1	1	1
2019-02-19	0	0	0	0	0	0

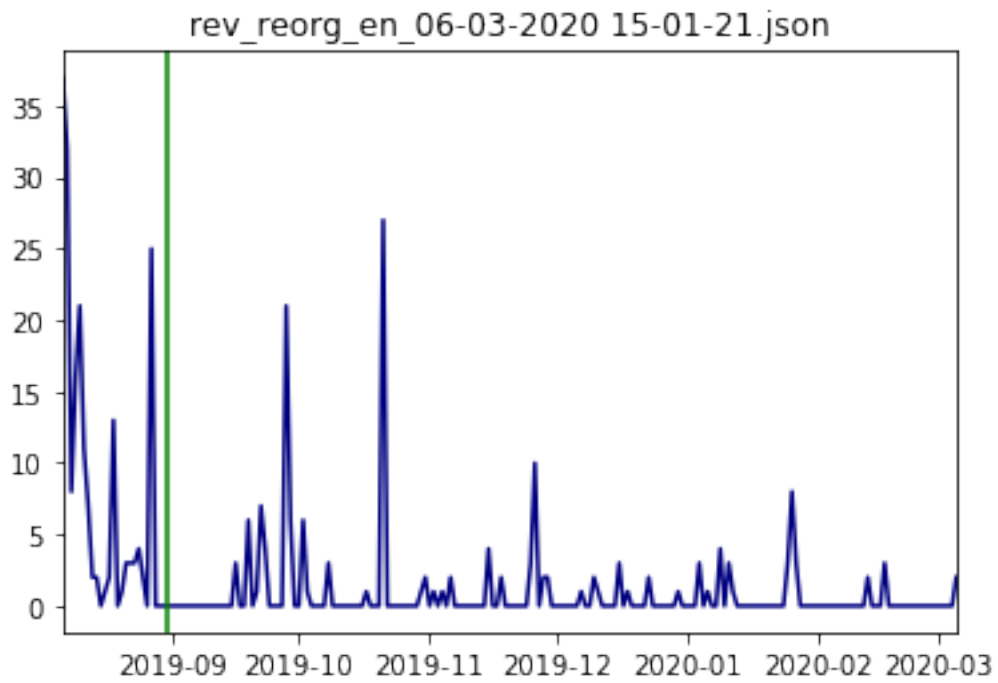


	user	timestamp	size	comment	total
2019-02-15	12	12	12	12	12
2019-02-16	55	55	55	55	55
2019-02-17	4	4	4	4	4
2019-02-18	5	5	5	5	5
2019-02-19	0	0	0	0	0

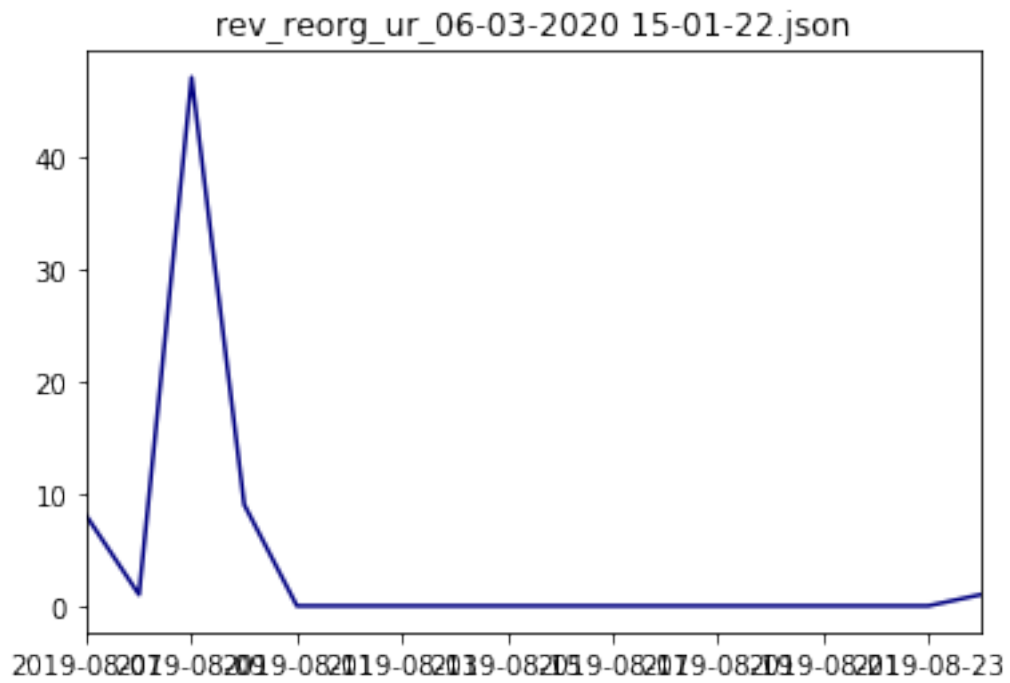


“Reorganization of Jammu & Kashmir” pages

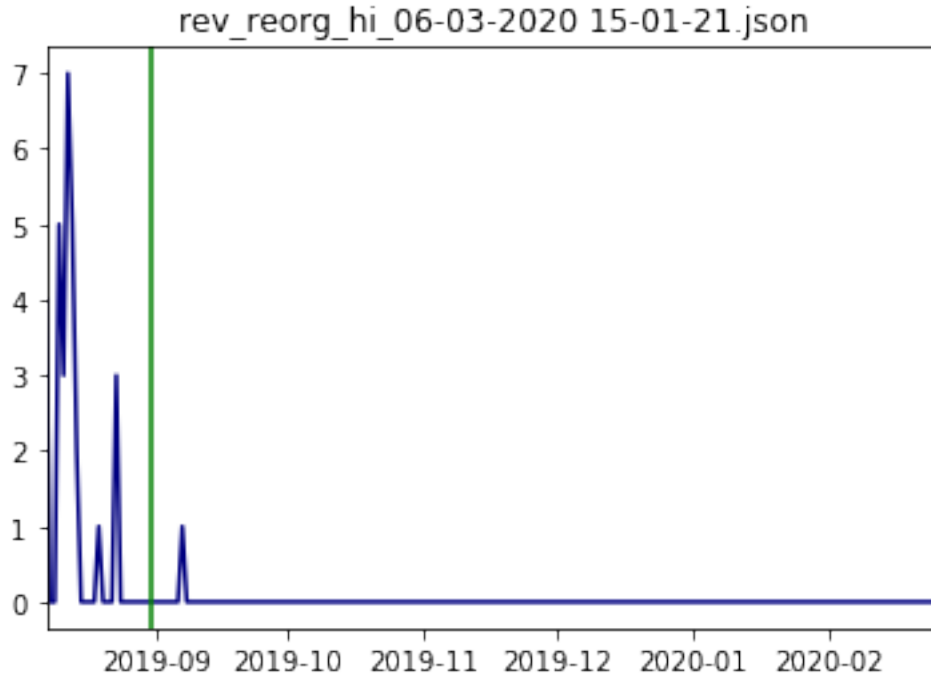
	user	timestamp	size	comment	anon	total
2019-08-06	36	36	36	36	1	37
2019-08-07	26	26	26	26	6	32
2019-08-08	8	8	8	8	0	8
	user	timestamp	size	comment	anon	total
2020-03-03	0	0	0	0	0	0
2020-03-04	0	0	0	0	0	0
2020-03-05	2	2	2	2	0	2



	user	timestamp	size	comment	total
2019-08-07	8	8	8	8	8
2019-08-08	1	1	1	1	1
2019-08-09	47	47	47	47	47
	user	timestamp	size	comment	total
2019-08-22	0	0	0	0	0
2019-08-23	0	0	0	0	0
2019-08-24	1	1	1	1	1



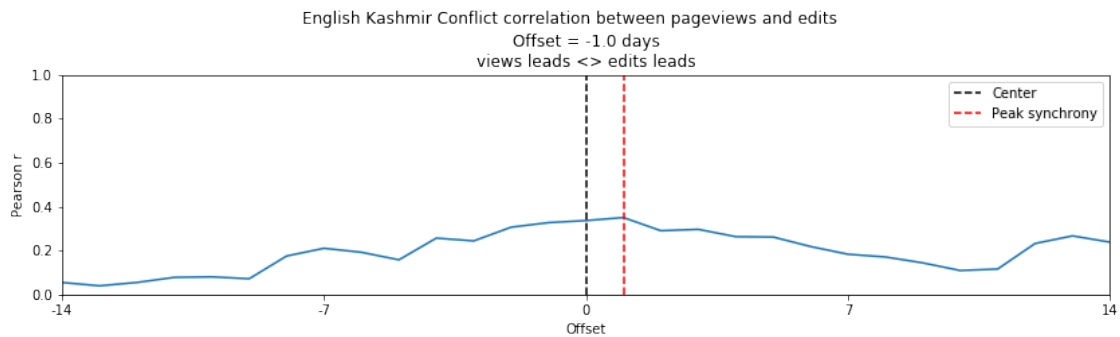
	user	timestamp	size	comment	anon	total
2019-08-07	4	4	4	4	0	4
2019-08-08	0	0	0	0	0	0
2019-08-09	0	0	0	0	0	0
	user	timestamp	size	comment	anon	total
2020-02-24	0	0	0	0	0	0
2020-02-25	0	0	0	0	0	0
2020-02-26	1	1	1	1	0	1



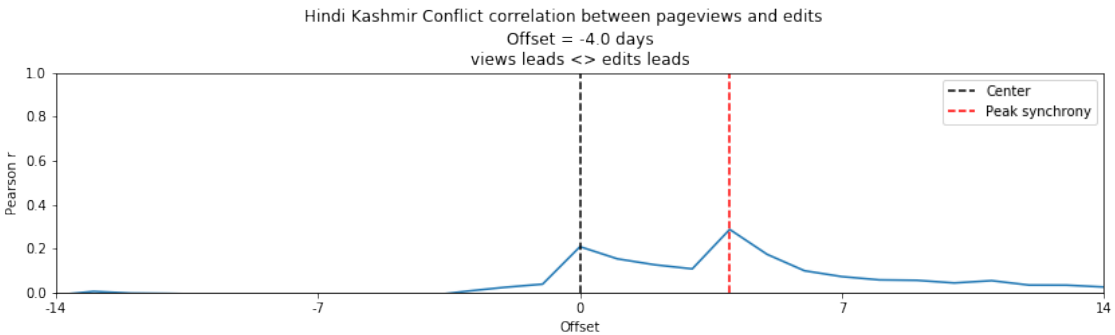
	user	timestamp	size	comment	anon	total
2020-03-02	0	0	0	0	0	0
2020-03-03	0	0	0	0	0	0
2020-03-04	0	0	0	0	0	0
2020-03-05	0	0	0	0	0	0
2020-03-06	1	1	1	1	0	1

Time-lagged Cross-correlation (TLCC) on each **Kashmir Conflict** page === Did not use these data in the paper, only Article 370” — Kashmir conflict edits don’t correlate significantly with views

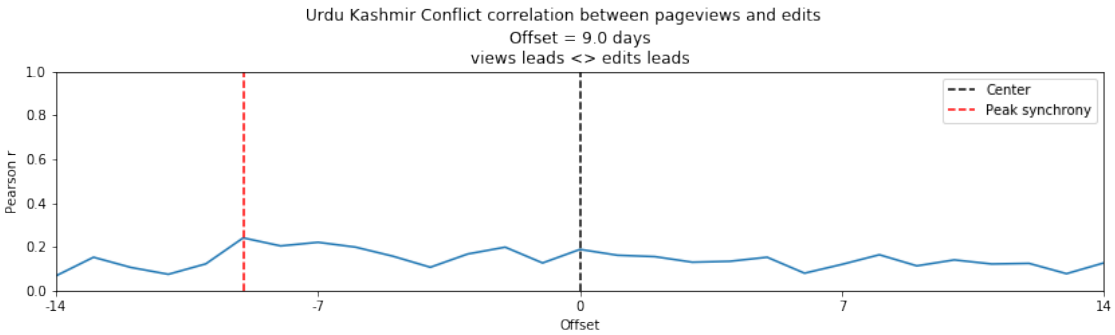
- English “Kashmir Conflict” page



- Hindi “Kashmir Conflict” page



- Urdu “Kashmir Conflict” page



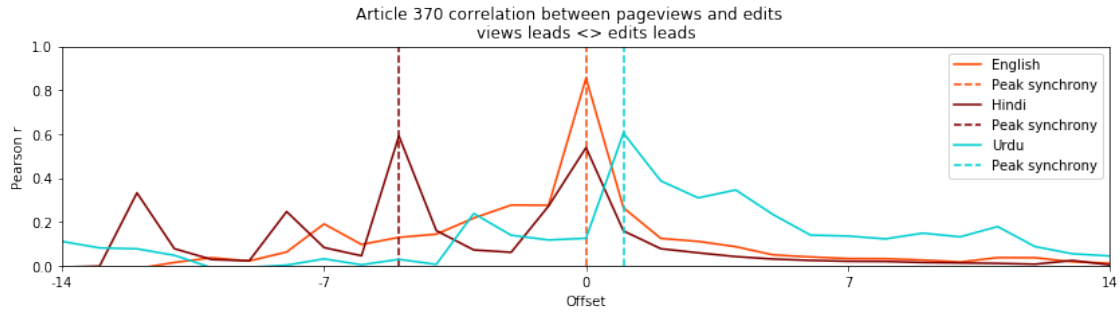
3 TLCC plots overlaid

...and plots of views vs edits, with significant events

- Article 370=====
- Article 370=====

The PostScript backend does not support transparency; partially transparent artists will be rendered opaque.

The PostScript backend does not support transparency; partially transparent artists will be rendered opaque.



The PostScript backend does not support transparency; partially transparent artists will be rendered opaque.

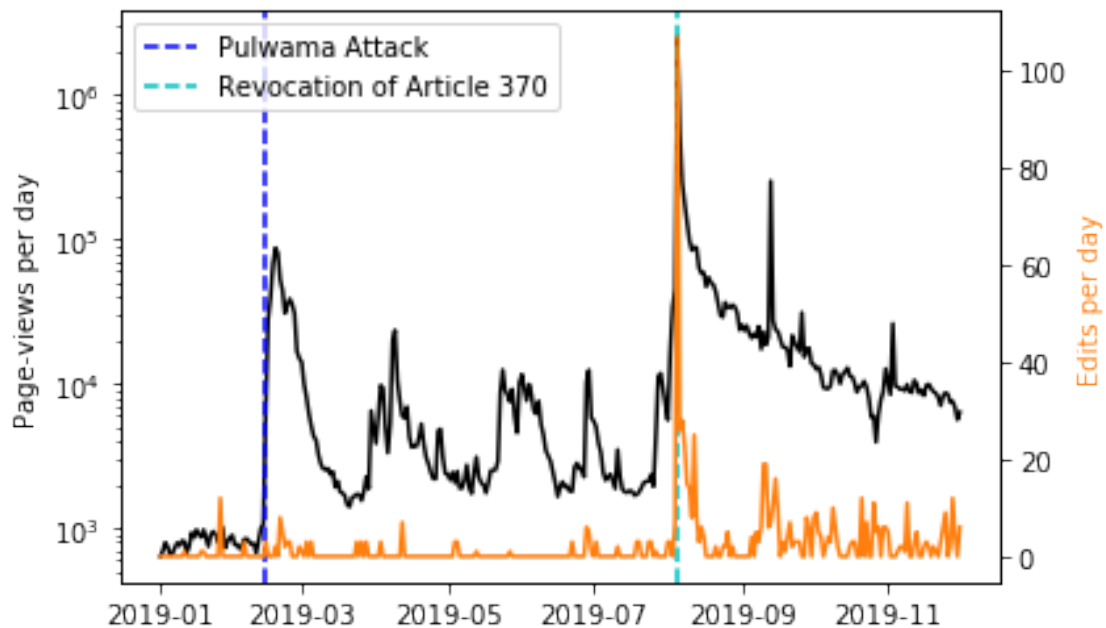
The PostScript backend does not support transparency; partially transparent artists will be rendered opaque.

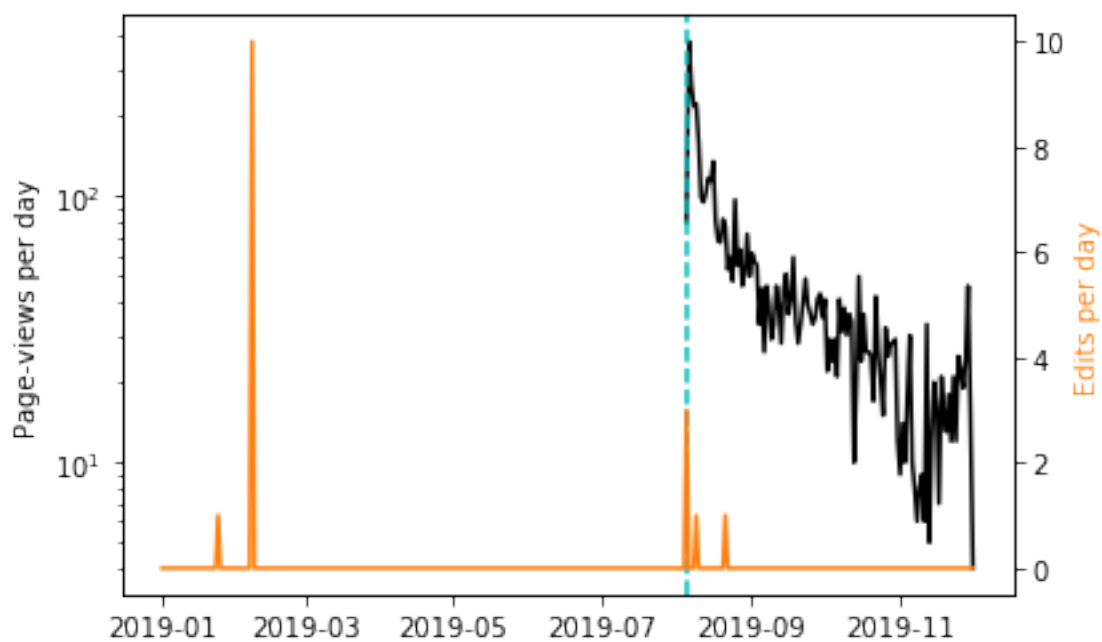
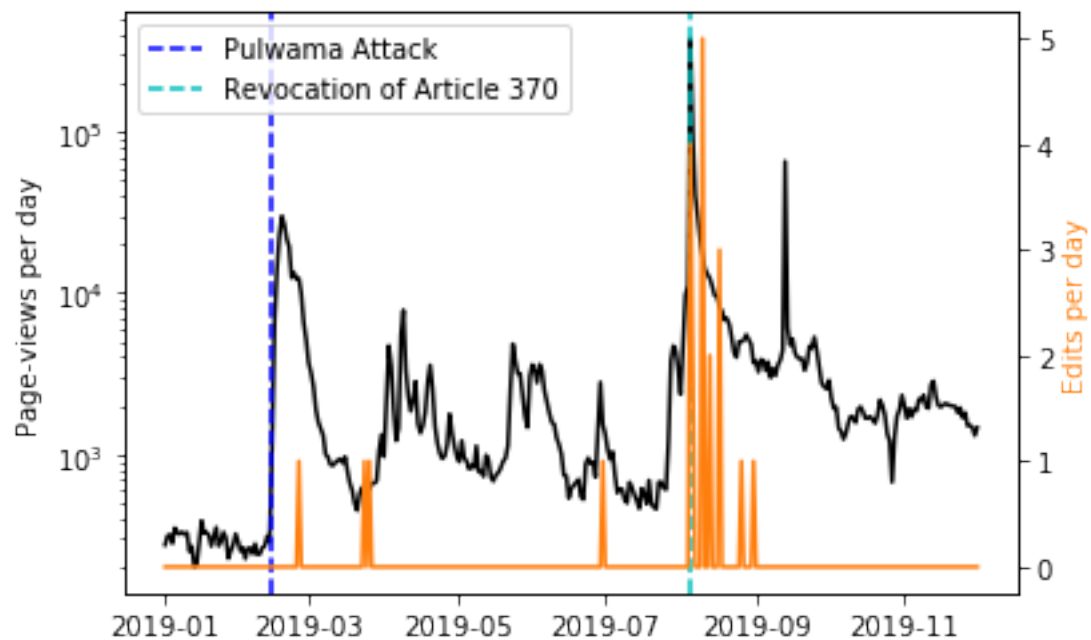
The PostScript backend does not support transparency; partially transparent artists will be rendered opaque.

The PostScript backend does not support transparency; partially transparent artists will be rendered opaque.

2018-09-27

False



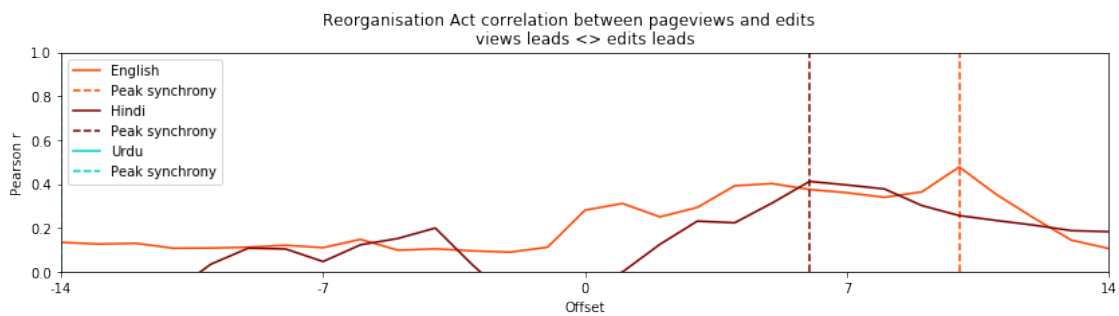


- Reorganisation Act=====

	lang	pearson	offset
0	en	0.133454	-14

1	en	0.125955	-13
2	en	0.129079	-12
3	en	0.106856	-11
4	en	0.107744	-10
..
82	ur	NaN	10
83	ur	NaN	11
84	ur	NaN	12
85	ur	NaN	13
86	ur	NaN	14

[87 rows x 3 columns]

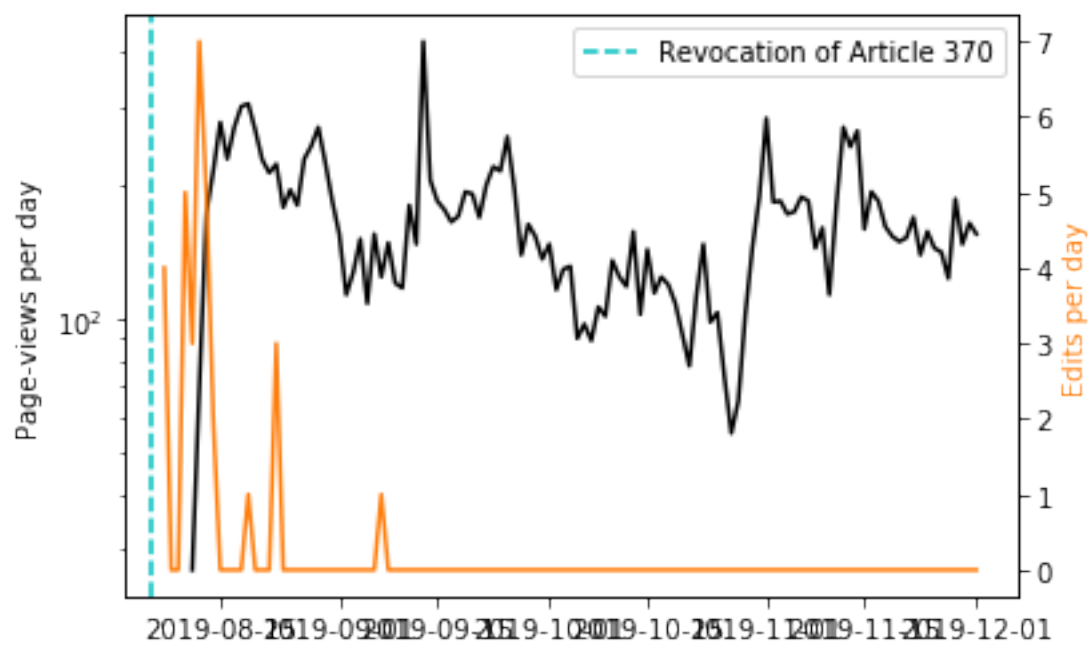
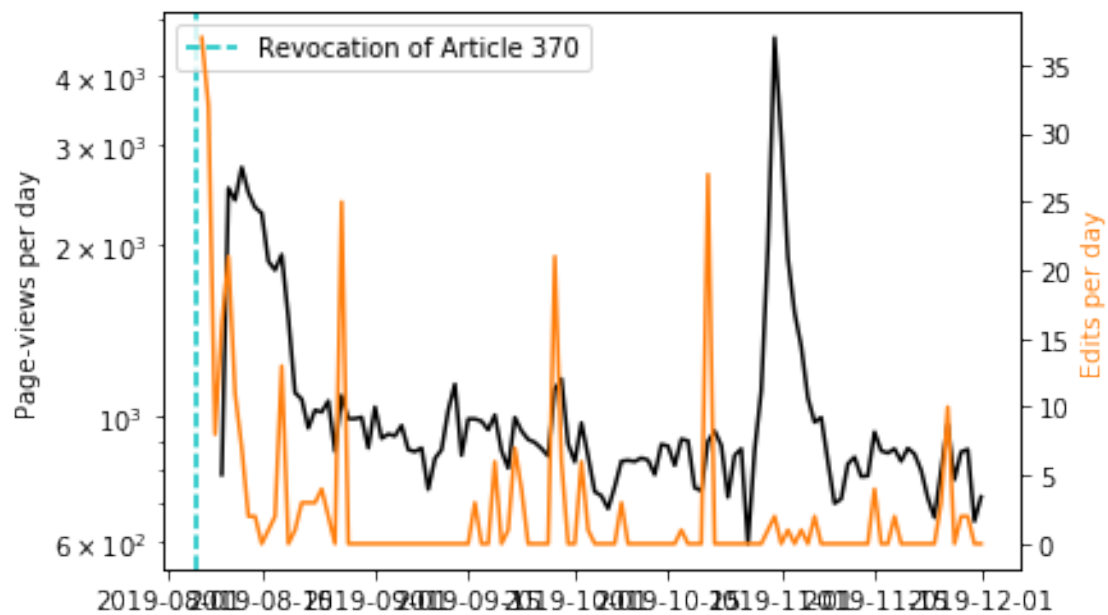


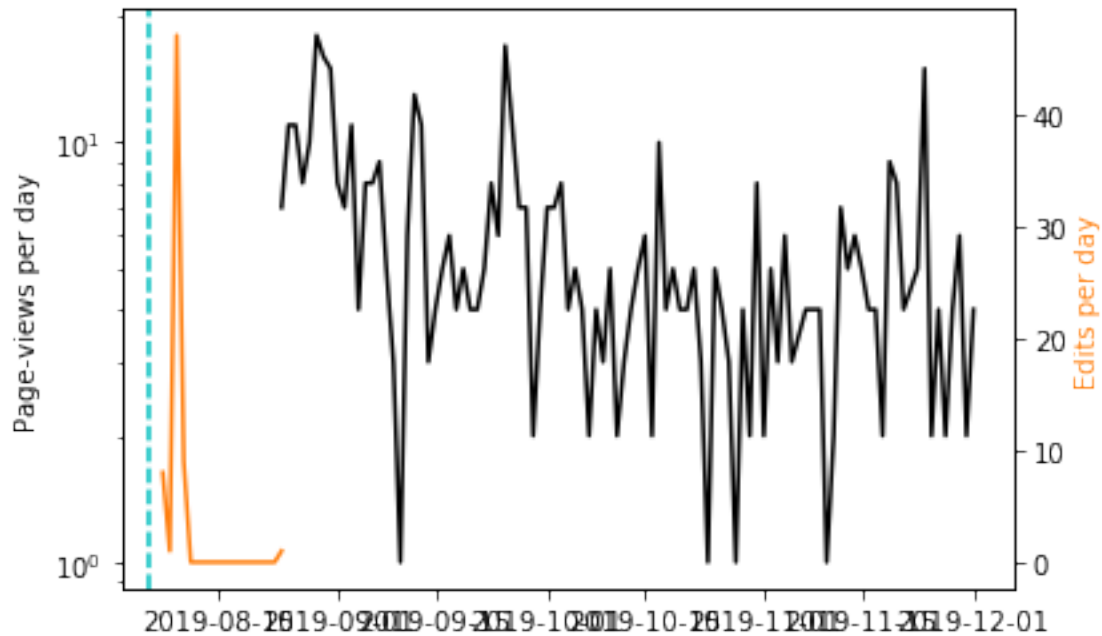
The PostScript backend does not support transparency; partially transparent artists will be rendered opaque.

The PostScript backend does not support transparency; partially transparent artists will be rendered opaque.

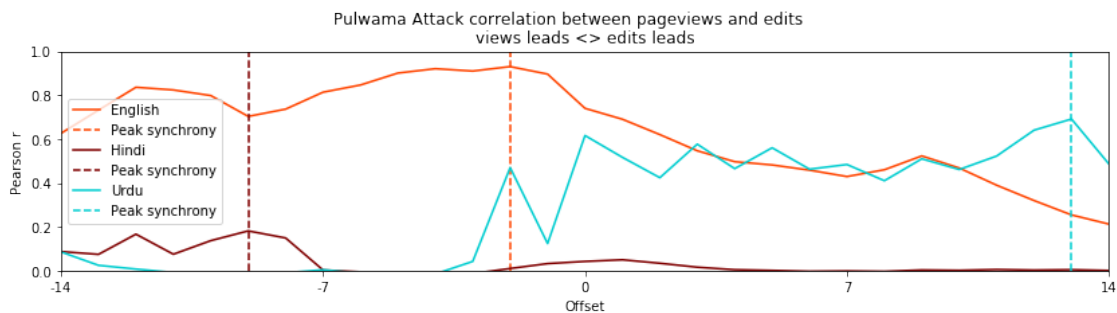
The PostScript backend does not support transparency; partially transparent artists will be rendered opaque.

The PostScript backend does not support transparency; partially transparent artists will be rendered opaque.





- Pulwama attack=====

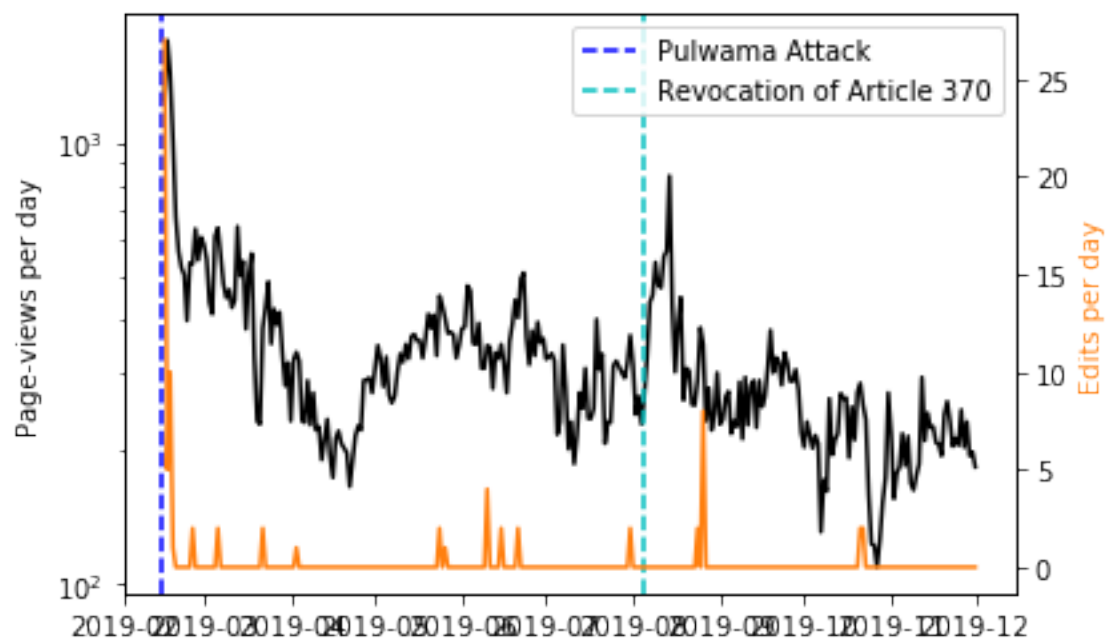
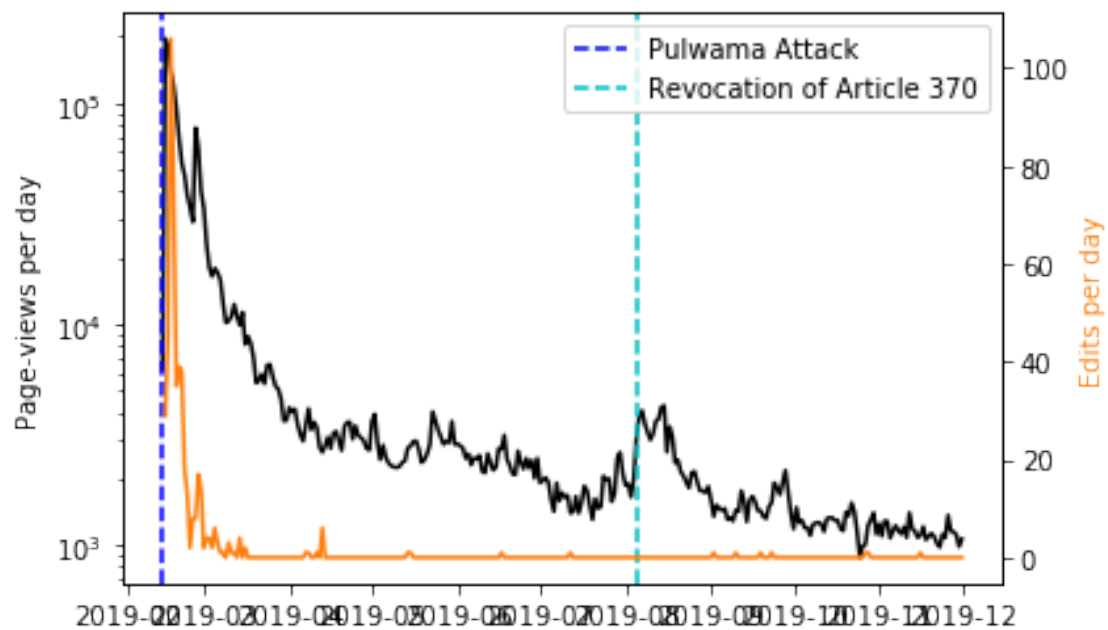


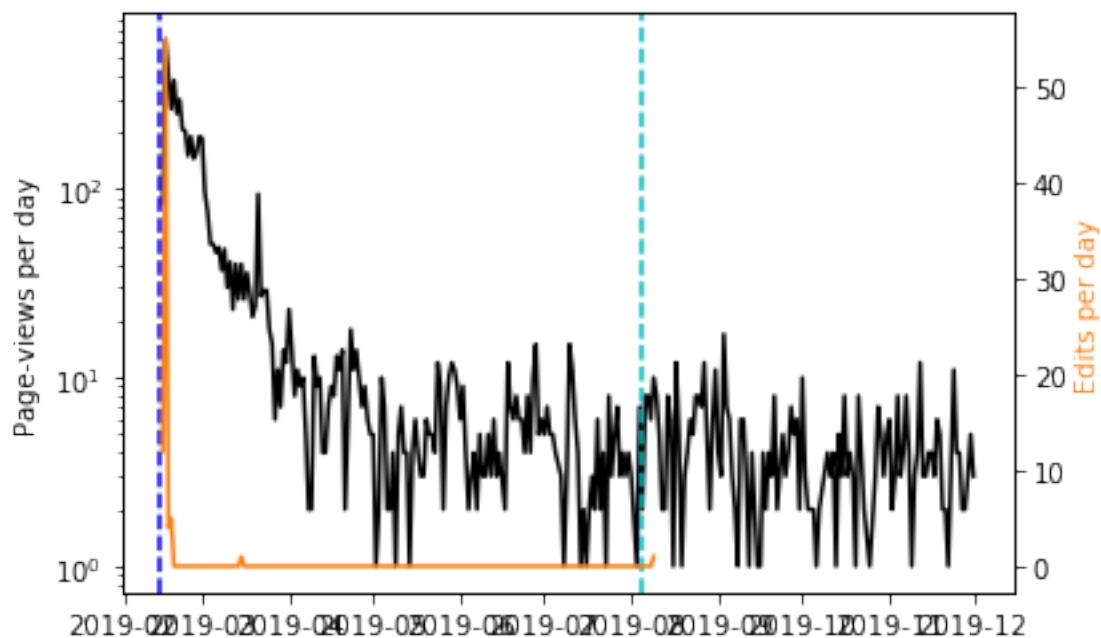
The PostScript backend does not support transparency; partially transparent artists will be rendered opaque.

The PostScript backend does not support transparency; partially transparent artists will be rendered opaque.

The PostScript backend does not support transparency; partially transparent artists will be rendered opaque.

The PostScript backend does not support transparency; partially transparent artists will be rendered opaque.





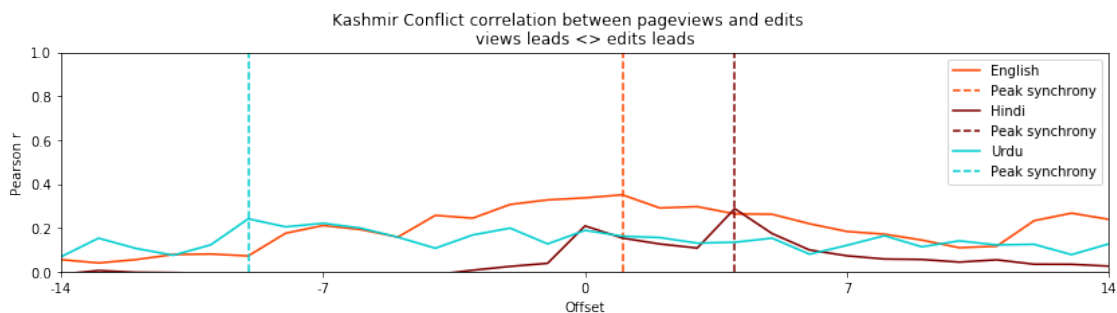
- Kashmir conflict=====

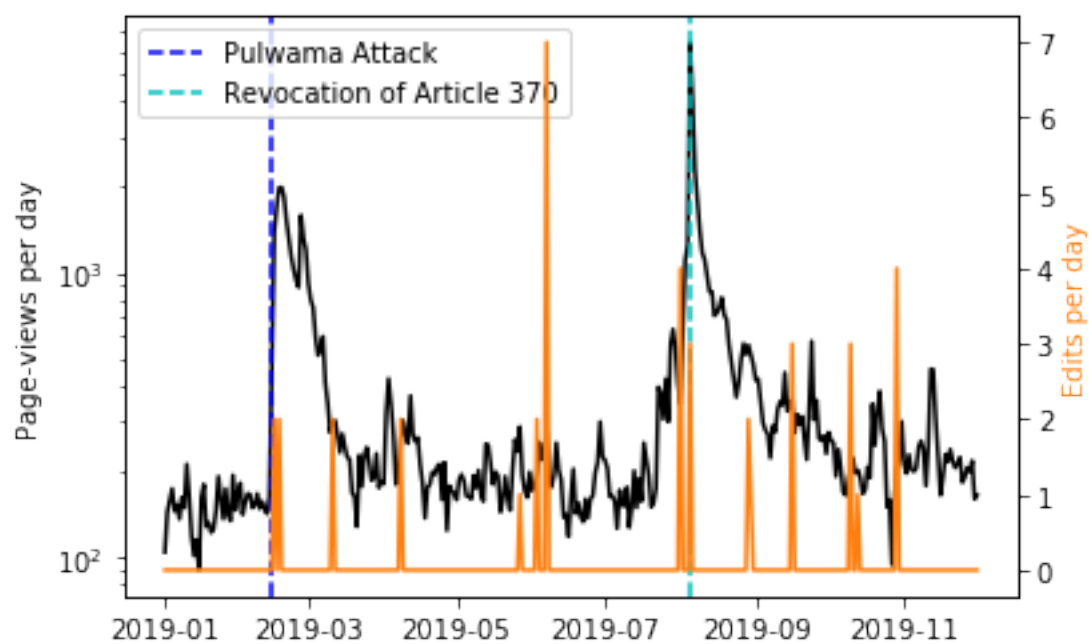
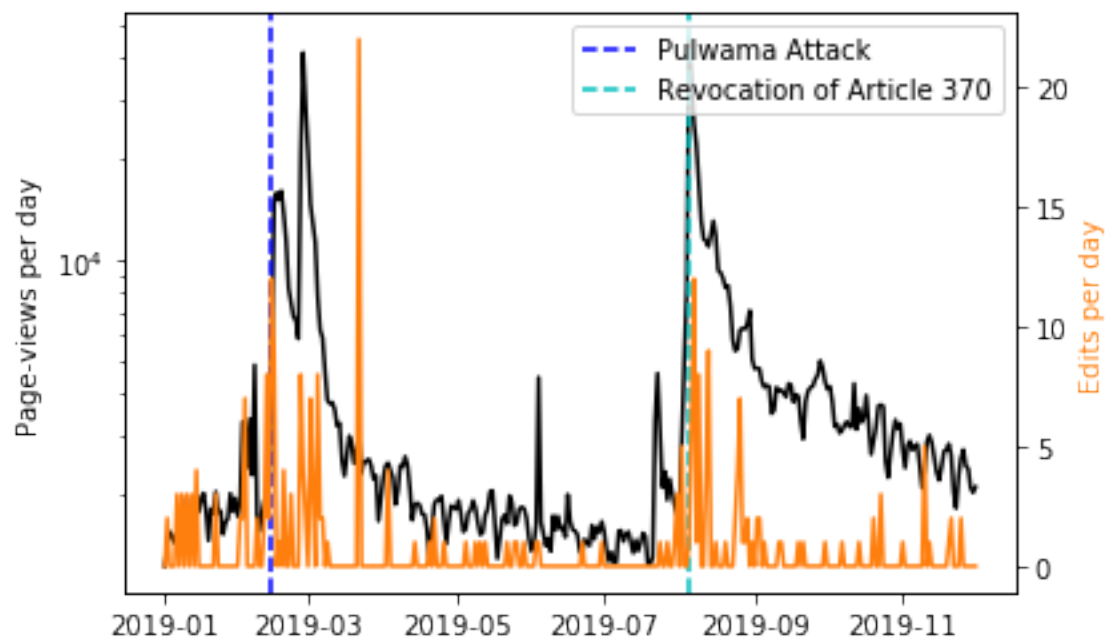
The PostScript backend does not support transparency; partially transparent artists will be rendered opaque.

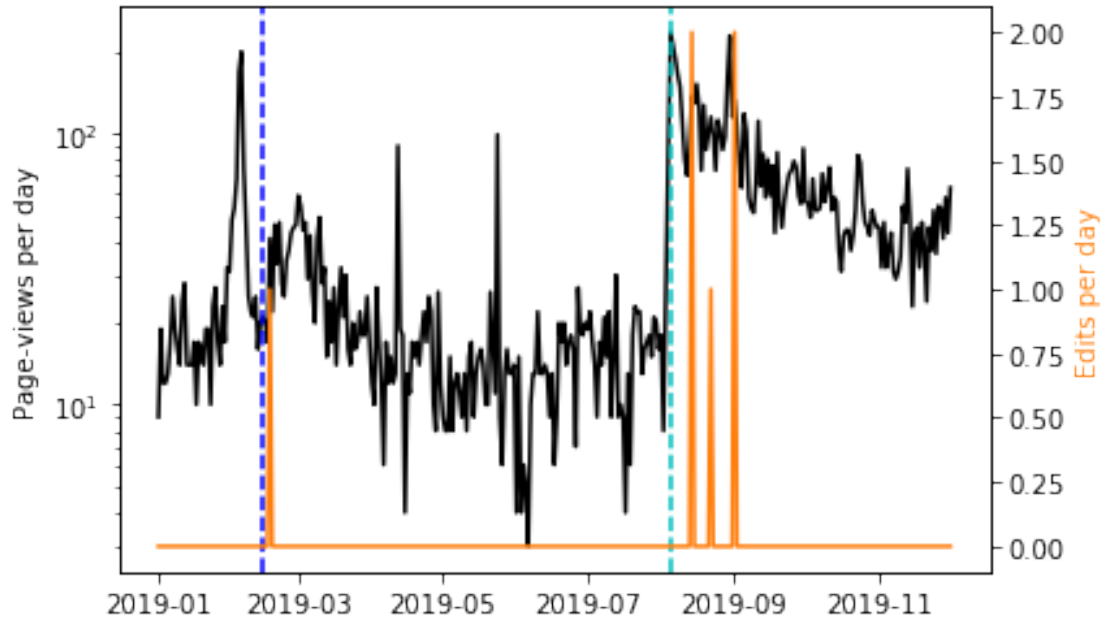
The PostScript backend does not support transparency; partially transparent artists will be rendered opaque.

The PostScript backend does not support transparency; partially transparent artists will be rendered opaque.

The PostScript backend does not support transparency; partially transparent artists will be rendered opaque.





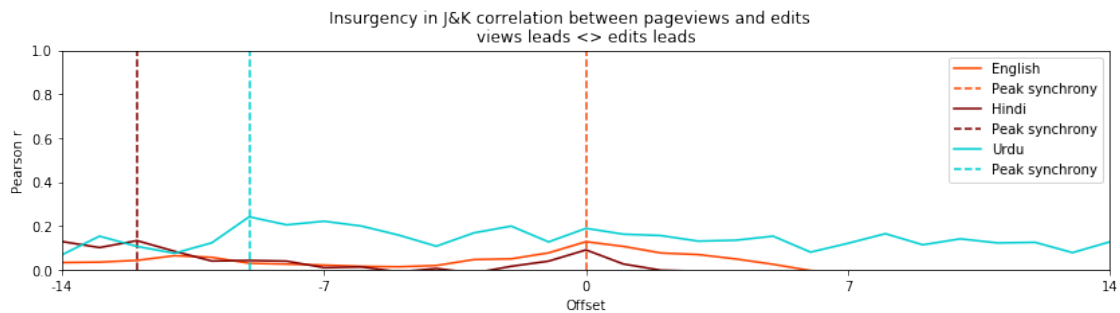


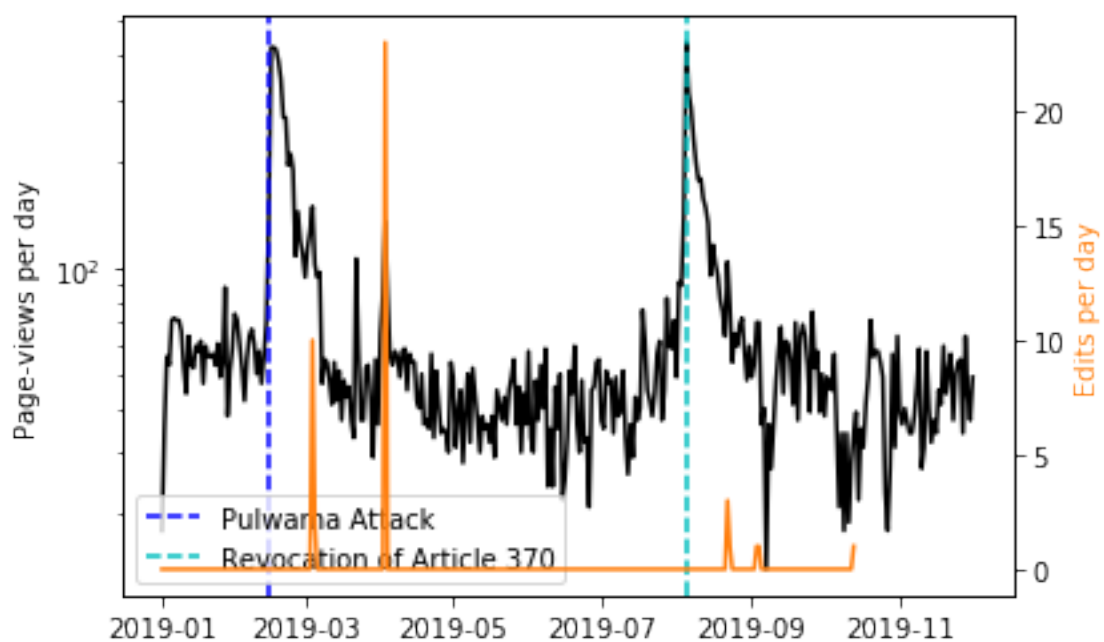
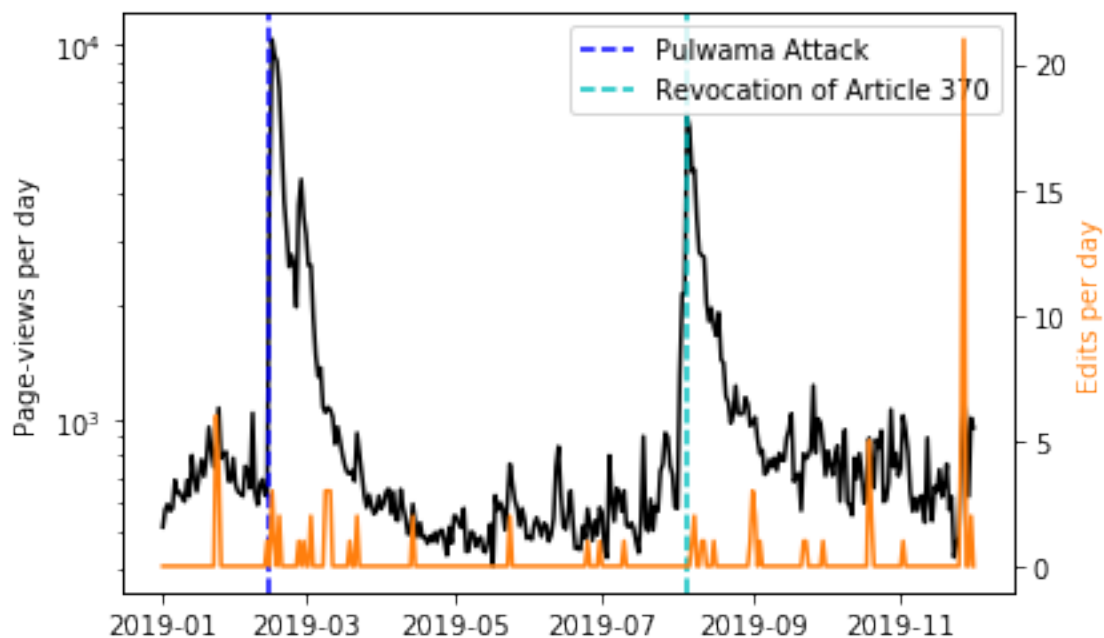
The PostScript backend does not support transparency; partially transparent artists will be rendered opaque.

The PostScript backend does not support transparency; partially transparent artists will be rendered opaque.

The PostScript backend does not support transparency; partially transparent artists will be rendered opaque.

The PostScript backend does not support transparency; partially transparent artists will be rendered opaque.





```
[NbConvertApp] Converting notebook Pageviews-edits-data-viz-Clean.ipynb to pdf
[NbConvertApp] Support files will be in Pageviews-edits-data-viz-Clean_files/
[NbConvertApp] Making directory ./Pageviews-edits-data-viz-Clean_files
[NbConvertApp] Making directory ./Pageviews-edits-data-viz-Clean_files
[NbConvertApp] Making directory ./Pageviews-edits-data-viz-Clean_files
```

[illegible]


```

[NbConvertApp] Building PDF
Traceback (most recent call last):
  File "/home/molly/anaconda3/bin/jupyter-nbconvert", line 11, in <module>
    sys.exit(main())
  File "/home/molly/anaconda3/lib/python3.7/site-
packages/jupyter_core/application.py", line 267, in launch_instance
    return super(JupyterApp, cls).launch_instance(argv=argv, **kwargs)
  File "/home/molly/anaconda3/lib/python3.7/site-
packages/traitlets/config/application.py", line 664, in launch_instance
    app.start()
  File "/home/molly/anaconda3/lib/python3.7/site-
packages/nbconvert/nbconvertapp.py", line 340, in start
    self.convert_notebooks()
  File "/home/molly/anaconda3/lib/python3.7/site-
packages/nbconvert/nbconvertapp.py", line 510, in convert_notebooks
    self.convert_single_notebook(notebook_filename)
  File "/home/molly/anaconda3/lib/python3.7/site-
packages/nbconvert/nbconvertapp.py", line 481, in convert_single_notebook
    output, resources = self.export_single_notebook(notebook_filename,
resources, input_buffer=input_buffer)
  File "/home/molly/anaconda3/lib/python3.7/site-
packages/nbconvert/nbconvertapp.py", line 410, in export_single_notebook
    output, resources = self.exporter.from_filename(notebook_filename,
resources=resources)
  File "/home/molly/anaconda3/lib/python3.7/site-
packages/nbconvert/exporters/exporter.py", line 179, in from_filename
    return self.from_file(f, resources=resources, **kw)
  File "/home/molly/anaconda3/lib/python3.7/site-
packages/nbconvert/exporters/exporter.py", line 197, in from_file
    return self.from_notebook_node(nbformat.read(file_stream, as_version=4),
resources=resources, **kw)
  File "/home/molly/anaconda3/lib/python3.7/site-
packages/nbconvert/exporters/pdf.py", line 185, in from_notebook_node
    self.run_latex(tex_file)
  File "/home/molly/anaconda3/lib/python3.7/site-
packages/nbconvert/exporters/pdf.py", line 156, in run_latex
    self.latex_count, log_error, raise_on_failure)
  File "/home/molly/anaconda3/lib/python3.7/site-
packages/nbconvert/exporters/pdf.py", line 114, in run_command
    "at {link}.".format(formatter=command_list[0], link=link))
OSError: xelatex not found on PATH, if you have not installed xelatex you may
need to do so. Find further instructions at
https://nbconvert.readthedocs.io/en/latest/install.html#installing-tex.

```