```
In [1]: import json
        import pandas as pd
        import matplotlib as mp
        # for Language detection
        from langdetect import detect, DetectorFactory
        from langdetect.lang_detect_exception import LangDetectException
        from pathlib import Path
        import re
        import matplotlib as plt
        from matplotlib import pyplot
        from sklearn.feature_extraction.text import CountVectorizer
        import numpy as np
        from urllib.parse import urlparse
        from collections import Counter
        from nltk.corpus import stopwords
        import nltk
        nltk.download('stopwords')
       [nltk_data] Downloading package stopwords to
       [nltk_data] C:\Users\micha\AppData\Roaming\nltk_data...
       [nltk_data] Package stopwords is already up-to-date!
Out[1]: True
In [2]: def repetitiveness_score(text, n=3):
            Split text to n-grams, count duplicates and divided by total n-gram count
            words = text.split()
            if len(words) < n:</pre>
                return 0.0
            ngrams = [' '.join(words[i:i+n]) for i in range(len(words)-n+1)]
            counts = Counter(ngrams)
            total = len(ngrams)
            repeated = sum(v for v in counts.values() if v > 1)
            return repeated / total
        def count html tags(text):
            simple regex to get a general sense of the amt of html tags in text
            TAG_REGEX = re.compile(r"<\s*/?\s*([a-zA-ZO-9]+)[^>]*>") # general to match
            return len(TAG REGEX.findall(text))
        def count_non_utf8_chars(text):
            Return count of characters which cant be encoded to utf8
            count = 0
            for c in text:
                    c.encode('utf-8')
                except UnicodeEncodeError:
                    count += 1
            return count
        def detect language(text):
```

```
return detect(text)
except LangDetectException:
    return "Unknown"
```

Data import

```
In [3]: filepath = "../../data/raw/mainpipe_data_v1.jsonl"
        data = []
        with open(filepath, 'r', encoding='utf-8') as file:
            for line in file:
                try:
                    data.append(json.loads(line))
                except json.JSONDecodeError:
                    continue
        df = pd.DataFrame(data)
        print(df)
                                                             text \
               In the never ending battle to rid Alaska of it...
               » Jackpot | Deutsche Online Casinos und Casino...
               This really was an unexpected pleasure. When I...
       3
                                         """Files in torrent....
               def files(self):\n
               Patient engagement in the design and delivery ...
       269373 Our 1 to 1 Karting lessons are ideal to give y...
       269374 function read(model) {\n var query = argument...
       269375 In a land that is already fragile with earthqu...
       269376
                                               Simple, YES on 8!
       269377 How would I be able to get N results for se...
                                                             url
       0
       1
                 http://www.casinodeutsch.net/stichwort/jackpot/
               http://leekat.booklikes.com/post/608842/an-une...
       3
               https://github.com/idlesign/torrentool/blob/78...
                             http://www.nhlc-cnls.ca/sessions/3/
               https://midlandkarting.co.uk/go-karting-events...
       269373
       269374
               https://github.com/endpoints/endpoints/blob/1e...
```

[269378 rows x 2 columns]

269375 269376

269377

Data exploration

Initial noisy text data exploration

Initially for this task I wanted to look into whats normally considered noisy data for LLM preprocessing.

None

None

- Null/Na records
- Html tags
- Special and non-utf8 characters

Dataset content exploration

I wanted an idea of the kind of content the datset contained, looking into sources trying to classify content.

- Data sources
- Languages
- Content (code vs formal english vs informal)

Notably github made up a large portion of the sources, the rest of the top 20 sources were mostly news websites. I expected the data to be a strong mix of informal language, formal and code. There is a large number of items with no url, more on this later.

```
In [5]: # Using the base of the url to tell the source
df['base_url'] = df['url'].apply(lambda x: f"{urlparse(x).scheme}://{urlparse(x)}
df['base_url'].value_counts().head(20)
```

```
Out[5]: base_url
        b''://b''
                                             90519
        https://github.com
                                             71415
        https://www.taiwannews.com.tw
                                              2583
        https://en.wikipedia.org
                                              2326
        https://placeholder.co
                                              2110
        https://sample-company.net
                                              1997
        https://example.com
                                              1991
        https://testsite.org
                                              1964
        https://demo-page.info
                                              1938
        http://abcnews.go.com
                                              1771
        http://www.nigeriatoday.ng
                                             1290
        https://www.yahoo.com
                                               946
        https://www.nigeriatoday.ng
                                               872
        http://www.israelnationalnews.com
                                               746
        https://www.nytimes.com
                                               735
        http://www.wafb.com
                                               650
        http://uproxx.com
                                               624
        http://newyork.cbslocal.com
                                              463
                                               452
        https://www.engadget.com
        http://www.taiwannews.com.tw
                                               447
        Name: count, dtype: int64
```

Using regex to get an idea of how much of the dataset is code (26%)

```
In [6]: # use some very basic regex to get a sense of what text might be code
df['programming_text'] = df['text'].str.startswith(('def', 'function'))
print(f"The approximate number of records which are code are {int(df['programmin']))
```

The approximate number of records which are code are 70603

Exploring languages

```
In [23]: # Looking at the Languages in the text data using Languagetect
    df['language'] = df['text'].apply(detect_language)
In [24]: df['language'].value_counts()
```

```
Out[24]: language
           en
                       244566
                        10300
           de
                         8626
           es
           fr
                         1488
                         1257
           ca
                          875
           da
                          265
           it
                          258
           sv
                          253
           ro
                          247
           nο
                          243
           nl
          af
                          185
                          112
                           94
           су
           Unknown
                           92
                           79
           ru
                           70
           SO
           id
                           51
                           48
           sq
                           43
           tl
           et
                           36
                           25
           sk
                           23
           pl
                           21
           fi
           hr
                           18
           uk
                           17
                           15
           tr
           sl
                           15
           νi
                           14
           1t
                           10
           hu
                            9
                            7
           bg
                            7
           SW
                            4
           lv
                            2
           cs
                            2
           mk
                            1
```

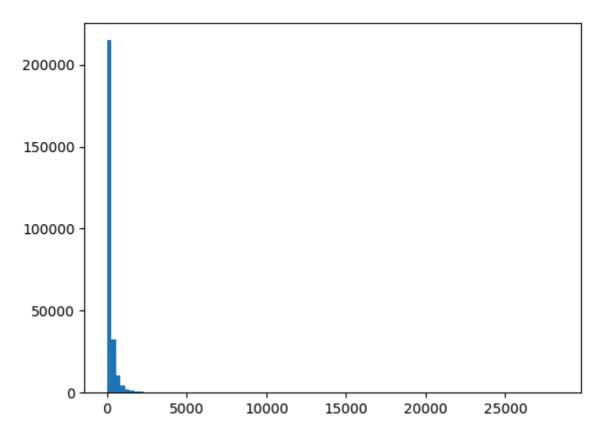
Name: count, dtype: int64

In terms of language, English makes up approximately 93% of records.

N-gram analysis

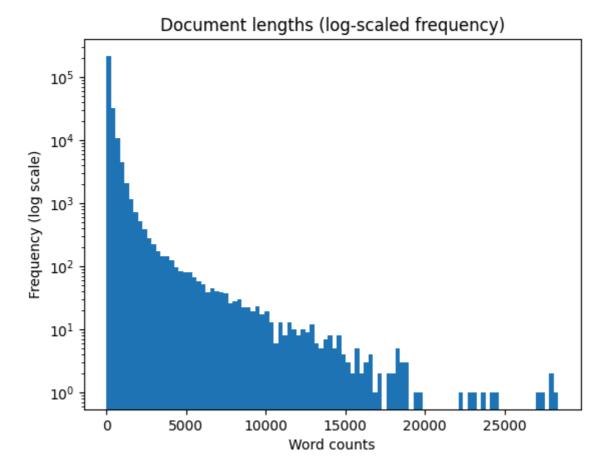
```
In [7]: # word counts per text
df["word_count"] = df["text"].apply(lambda x: len(x.split()))

In [8]: # Looking into word count distribution
plt.pyplot.hist(df['word_count'], bins=100)
plt.pyplot.show()
```



This doesn't really say a lot about the text, however we can tell there are some large word count outliers Log scale frequency used below for a better visualisation of word lengths

```
In [9]: # Visualise word counts
plt.pyplot.hist(df['word_count'], bins=100)
plt.pyplot.yscale('log') # log scale on Y-axis (frequency)
plt.pyplot.xlabel("Word counts")
plt.pyplot.ylabel("Frequency (log scale)")
plt.pyplot.title("Document lengths (log-scaled frequency)")
plt.pyplot.show()
```



Based on the histogram above the very long text records sit above 20,000 words

```
In [10]: # Breif Look into this data
  long_docs = df[df['word_count'] > 15000]
  long_docs
```

10/27/25, 8:30 PM

Out[10]: text url elen

	text	url	elen
5483	Babe Ruth\n\nGeorge Herman "Babe" Ruth (Februa	https://en.wikipedia.org/wiki/Babe%20Ruth	
11830	Vigo P De Peliculasxxx Pelicula Escorts Necesi	https://newtasteofhalal.com/vigo-p-de-pelicula	
12398	Lesbien Porn Pareja Homosexual Montillón De Ab	http://sexcamhoertjes.net/lesbien-porn-pareja	
16952	SENTENCIA dictada en la Controversia Constituc	http://dof.gob.mx/nota_detalle.php?codigo=5052	
17045	Cortijada El Secano Masaje Erotico Cadiz Video	http://poulettesurlenet.com/cortijada-el-secan	
22091	Decreto Municipal 1521 de 2008 by FAUPB taller	https://issuu.com/faupb-taller8/docs/decreto15	
32406	Memoria del Festival Internacional de Musica y	https://issuu.com/manigua/docs/fmyd_10_memoria	
33108	Augustin-Jean Fresnel\n\nAugustin-Jean Fresnel	https://en.wikipedia.org/wiki/Augustin-Jean%20	
33727	Videos Pareja Mas Para Y Caserío Hentai Mejore	https://talkinggenerationnext.com/videos-parej	
42036	Pasivo Videos Peliculas Xxx Gratis Milady Desn	https://europeanfollies.com/pasivo-videos-peli	
50851	Personal: Sección II del BOE\nMinisterio de Ed	http://amesweb.tripod.com/7opos.html	
51273	function emitFiles(resolver, host, targetSourc	https://github.com/opendigitaleducation/sijil	
52624	Muslim conquests of Afghanistan\n\nThe Muslim	https://en.wikipedia.org/wiki/Muslim%20conques	
59103	The Beach Boys\n\nThe Beach Boys are an Americ	https://en.wikipedia.org/wiki/The%20Beach%20Boys	
66696	Only American Institute of Aeronautics. Operat	http://www.volaticum.com/american-magazine-of	
75894	Video De Nicaragua Chica Arabe Záitegui Porno	http://engagingthemoment.com/video-de- nicaragu	
78174	Austria- Hungary\n\nAustria- Hungary, formally k	https://en.wikipedia.org/wiki/Austria-Hungary	
80433	American Revolutionary War\n\nThe American Rev	https://en.wikipedia.org/wiki/American%20Revol	
93971	Negras Bbw Lesbianas Joder Webcam En Vivo	http://positivestrokesforwomen.com/negras-bbw	

	text	uri	elen
	Mast		
96635	Noicela Caña A La Francesa Liza Del Sierra Cam	https://thedabstash.com/noicela-ca%C3%B1a-a-la	
116201	Venganza Sexual Juegos De Sexo Para Parejas Fo	http://theshepherdofpsychology.com/venganza-se	
121315	Arabs\n\nThe Arabs (, DIN 31635: , Arabic pron	https://en.wikipedia.org/wiki/Arabs	
122205	Chat Gratis Sin Registrarse En Espanol Y Hacer	http://mommythegoodwitch.com/chat-gratis-sin-r	
124759	Apollo\n\nApollo or Apollon is one of the Oly	https://en.wikipedia.org/wiki/Apollo	
126475	Blog: Geld, Betrug, Zins. HYPO/Geld: Sg.Hr	https://www.freitag.de/autoren/pregetterotmar/	
128244	Pangusión Videos De Sexo Forzado Xxx Gratis Vi	https://easterwallpapers2015.com/pangusi%C3%B3	
128744	Benjamin Disraeli\n\nBenjamin Disraeli, 1st Ea	https://en.wikipedia.org/wiki/Benjamin%20Disraeli	
132991	Villarías Masaje Mutuo Online Dating For Free	https://chinaspycameras.com/villar%C3%ADas-mas	
138910	Citizen Kane\n\nCitizen Kane is a 1941 America	https://en.wikipedia.org/wiki/Citizen%20Kane	
139504	Abuela Francesa Bbw Stephanie Cane Porn Viajes	http://antigoneawakens.com/abuela-francesa-bbw	
150050	American cuisine\n\nAmerican cuisine consists	https://en.wikipedia.org/wiki/American%20cuisine	
165052	American Revolution\n\nThe American Revolution	https://en.wikipedia.org/wiki/American%20Revol	
166453	Bernard Montgomery\n\nField Marshal Bernard La	https://en.wikipedia.org/wiki/Bernard%20Montgo	
166983	Artemis\n\nIn ancient Greek religion and mytho	https://en.wikipedia.org/wiki/Artemis	
168127	Queremos retomar\ndía de hoy, nuestros análisi	http://juanmartorano.blogspot.com/	
168650	Andalusia\n\nAndalusia (, ;) is the southern	https://en.wikipedia.org/wiki/Andalusia	
169455	Una Dura Y Cámara Erótica En Vivo Cara Tiempo	https://shortstoryguy.com/una-dura-y- c%C3%A1ma	
185706	Country music\n\nCountry	https://en.wikipedia.org/wiki/Country%20music	

	text	url	elen
	(also called country		
193703	Con Free Conquistar Thai Castellon 3d Mas Porn	https://talk2singles.com/con-free-conquistar-t	
195793	Las fragatas "de 24 libras" de la era napoleón	https://elgrancapitan.org/foro/viewtopic.php?f	
197638	Batman\n\nBatman is a superhero appearing in A	https://en.wikipedia.org/wiki/Batman	
207669	British Museum\n\nThe British Museum is a publ	https://en.wikipedia.org/wiki/British%20Museum	
216162	Alkali metal\n\nThe alkali metals consist of t	https://en.wikipedia.org/wiki/Alkali%20metal	
231511	Negras Folladas El Mejor Sexo En Internet Mean	https://elcapobrickell.com/negras-folladas-el	
234101	Bangladesh\n\nBangladesh (; ,), officially th	https://en.wikipedia.org/wiki/Bangladesh	
234977	American Civil War\n\nThe American Civil War (https://en.wikipedia.org/wiki/American%20Civil	
235904	Porno Esclava Real Viteri Bbw Sexo Cámara Ocul	http://ccannizzaro.com/porno-esclava-real-vite	
245528	Battle of Jutland\n\nThe Battle of Jutland (,	https://en.wikipedia.org/wiki/Battle%20of%20Ju	
253694	function emitFiles(resolver, host, targetSourc	https://github.com/opendigitaleducation/sijil	
268660	American Civil Liberties Union\n\nThe American	https://en.wikipedia.org/wiki/American%20Civil	

The very long docs are mostly non-english language. Interestingly a lot of the very long docs look like adult content. It's good to know this exists in the data as we can focus on filtering it out in the detoxification step.

Short docs

• Generally text data preprocessing involves filtering out low word-count text as it often doesn't contain linguistic context

```
In [11]: short_docs = df[df['word_count'] < 30]
    short_docs</pre>
```

Out[11]: text url element_cou 11 Very Cool. None def https://github.com/happyleavesaoc/pythonfriendly_name(self):\n snapc... """Get frien... function 21 mouseout(inEvent) https://github.com/openlayers/openlayers/blob/... {\n if (!this.isEv... I applaud Civil's 36 efforts to create None some new t... <!doctype html> 48 <html lang="en"> https://example.com/page12.html <head><title>Ab... function https://github.com/abagames/gif-capture-269348 writeCommentExt() canvas... {\n out.writeByt... def xrify_tuples(self, 269358 https://github.com/pytroll/trollimage/blob/d35... tup):\n """Make ... <html><head> 269364 <meta charset="utfhttps://example.com/page13.html 8"><title>Blog ... In a land that is 269375 already fragile with None earthqu... 269376 Simple, YES on 8! None 48098 rows × 7 columns # Checking how many docs of Less than 50 words are because they are code

In [12]: # Checking how many docs of less than 50 words are because they are code
df_short_and_code = short_docs[short_docs['programming_text']==True]
df_short_and_code

[12]:		text	url	elemen
	18	def friendly_name(self):\n """Get frien	https://github.com/happyleavesaoc/python- snapc	
	21	function mouseout(inEvent) {\n if (!this.isEv	https://github.com/openlayers/openlayers/blob/	
	72	function (isDefault) {\n var attrValue = is	https://github.com/aframevr/aframe/blob/24acc7	
	82	def tasks(self):\n """Tasks in this exa	https://github.com/cloudsigma/cgroupspy/blob/e	
	90	function mayProxy (pathname) {\n const mayb	https://github.com/vuejs/vue-cli/blob/206803cb	
	•••			
	269341	def setproxy(ctx, proxy_account, account):\n	https://github.com/bitshares/uptick/blob/66c10	
	269344	function fromFreq (freq, tuning) {\n tuning =	https://github.com/danigb/music-pitch/blob/2f2	
	269346	function checkSpacingAfter(token, pattern) {\n	https://github.com/eslint/eslint/blob/bc0819c9	
	269348	function writeCommentExt() {\n out.writeByt	https://github.com/abagames/gif-capture-canvas	
	269358	def xrify_tuples(self, tup):\n """Make	https://github.com/pytroll/trollimage/blob/d35	
	18060 rows × 7 columns			
	4			>

mean word length

Out[14]: text url element_cou 549 OK None function norm16(v) https://github.com/dbkaplun/hterm-2160 n v = parseInt(v,umdjs/blob/5... 16);... def erank(self):\n """ https://github.com/oseledets/ttpy/blob/b440f62... 3627 Effective rank o... 3829 None <code>sub 5415 foo {[\$#{[!||\$|]}*@{[!! None function cpy32 (d, s) 6524 https://github.com/Toxiapo/ardorjs/blob/0e3127... n for (var i = ...6754 OK None 6922 IC. None function 6935 whiteOrBlack(color) https://github.com/skerit/alchemy-styleboost/b... $n\times color = ...$ 7009 None 8313 OK None function (obj, arg) https://github.com/avoidwork/abaaso/blob/07c14... 8934 ${\n\t = }$ obj.lengt... 10421 +1 None function _grad(hash, 11528 https://github.com/nodebox/g.js/blob/4ef0c579a... x, y, z) {\n var h, u,... 11685 OK None 13498 +1 None 13620 Do you mean a PIO? None function https://github.com/WorldMobileCoin/wmcc-15605 compressValue(value) core/b... n if (value = ...15610 OK None function (safe) https://github.com/avoidwork/abaaso/blob/07c14... 15660 ${\n\t = }$ function () {...

Symbol ratios

```
In [15]: # Count occurrences of hash (#) and ellipsis (...)
    df["hash_count"] = df["text"].str.count("#")
```

```
df["ellipsis_count"] = df["text"].str.count("...")
          # Calculate ratios (symbols per word)
          df["hash_ratio"] = df["hash_count"] / df["word_count"]
          df["ellipsis_ratio"] = df["ellipsis_count"] / df["word_count"]
          # If you want an overall combined ratio:
          df["symbol_ratio"] = (df["hash_count"] + df["ellipsis_count"]) / df["word_count"]
In [16]:
          high_symbols = df[df['symbol_ratio'] > 0.1]
          high_symbols
Out[16]:
                                                              text
              521
                        I want to see all the different ways you ca...
              934
                        Is there a built in way to convert an integ...
             1331
                                       def create sheet(self):\n "'\n ... https://github.com/PmagPy/PmagP
             2706
                                                                      http://wfuogb.com/2018/02/loca
                      Local Mexican Restaurant Review\n\nTijuana Fla...
                          What are these PC533, PC667, or PC###
             3609
                                                           etc</...
          266206
                             def warn_if_insecure_platform():\n """\n ...
                                                                    https://github.com/onecodex/onec
                                         <code>#if SYMBOL\n
          266283
                                           //code\n#endif\n</cod...
          266470
                                                 #BlackLivesMatter
          268098
                      Well done Gov. Walker... now let's build a road ...
          269262
                                                                     https://github.com/GoogleCloudF
                    _setup_constants(alphabet=NAMESPACE_CHARAC...
         314 rows × 13 columns
```

Uni-grams

```
vectorizer = CountVectorizer(ngram_range=(1,1), stop_words='english')
In [17]:
         X = vectorizer.fit_transform(df['text'])
         counts = np.array(X.sum(axis=0)).flatten()
         bigrams = pd.DataFrame({'bigram': vectorizer.get feature names out(), 'count': c
In [18]:
         bigrams.sort_values('count', ascending=False).head(30)
```

Out[18]:

	bigram	count
276997	code	203010
620635	la	160383
381438	en	159402
375135	el	125171
878183	return	116946
923667	self	113791
637156	li	113375
844913	que	111289
735863	new	109092
339481	die	108776
1051525	und	108092
329790	der	96962
640470	like	89819
1019727	time	87591
449255	function	84524
1062770	use	83133
820767	pre	79486
280596	com	79039
585686	just	74179
531587	http	72367
899538	said	68248
651248	los	66275
316168	data	65063
1069151	var	64723
530619	href	62887
980196	strong	62197
395805	es	61270
794191	people	57253
867360	rel	56265
782513	para	53384

Bi grams

```
In [19]: vectorizer = CountVectorizer(ngram_range=(2,2), stop_words='english')
   X = vectorizer.fit_transform(df['text'])
   counts = np.array(X.sum(axis=0)).flatten()
   bigrams = pd.DataFrame({'bigram': vectorizer.get_feature_names_out(), 'count': c
In [20]: bigrams.sort_values('count', ascending=False).head(30)
```

Out[20]:

	bigram	count
8093607	href http	48357
9595519	li li	41514
3524203	code pre	37111
13498718	rel nofollow	37084
11208384	nofollow noreferrer	36981
12578092	pre code	35596
8109386	http www	28514
5753174	en el	19682
7563786	gt lt	18609
5756114	en la	16469
13498720	rel noreferrer	16253
16680954	ul li	13100
3513992	code code	12895
9598832	li ul	12223
11127786	new york	11154
8093608	href https	10548
16798032	united states	10429
7781205	head body	10260
2484119	body html	10249
13096292	que se	9165
11230907	noreferrer http	7919
8098572	html head	7756
10083468	make sure	7663
7784515	head title	7638
10517779	microsoft com	7063
8099655	html rel	7026
9803978	lo que	6886
17923976	year old	6338
745626	_tmr window	6084
17658342	window _tmr	6084

Repetitiveness of n-grams

```
In [21]: df['repetitiveness'] = df['text'].apply(lambda t: repetitiveness_score(t, n=3))
In [22]: repetitive = df[df['repetitiveness']>0.8]
repetitive
```

Out[22]:

text url element_count Home | Products | 871 0 About | None Contact | Login | Si... At The San Diego Padres 904 0 https://www.padresteamshoponline.com/Nate_Colb... Shop you can find gear... Home I Products | 0 920 About | None Contact | Login | Si... I don't normally 1047 0 watch such https://tuetego.net/article/aeon-flux-a-2005-m... movies, but I like... Home | Products | 0 2197 About | None Contact | Login | Si... Home | Products | 0 267867 About | None Contact | Login | Si... Trump to herald 'New 267960 American 0 https://www.taiwannews.com.tw/en/news/3354528 Moment' for US a... President Trump says 268072 https://www.taiwannews.com.tw/en/news/3413391 0 US troops will be coming ... Epidemiología de la muerte 268083 0 https://medes.com/publication/80540 súbita cardiaca [Re... Car turns right from 268442 0 https://www.overflightstock.com/-/galleries/dr... East Olympic Boulevard in...

476 rows × 14 columns

no stopword records

```
In [23]: stops = set(stopwords.words('english'))
           # Flag rows with no stopwords
           df['no_stopwords'] = df['text'].apply(
                lambda x: not any(word.lower() in stops for word in x.split())
In [24]:
           df[df['no_stopwords'] == True]
Out[24]:
                            function traverse(transform, node,
                35
                                                               https://github.com/bem-contrib/md-to-bem
                                                 parent) {\n...
                      function mayProxy (pathname) {\n const
                90
                                                                  https://github.com/vuejs/vue-cli/blob/206
                                                      mayb...
                                                   Estás aquí:
               129
                                                               https://www.reparamosiphone.com/blog/proc
                          Inicio/Reparaciones/Reparaciones i...
                       function getMarkDownItAnchorld (text)
               131
                                                               https://github.com/commenthol/markedpp/b
                                                     {\n tex...
                            function endActivity(activityId) {\n
               134
                                                                    https://github.com/hswolff/activity-logg
                                                   markActi...
           269307
                         function(fn, testSelf) {\n return Y.one...
                                                                 https://github.com/5long/roil/blob/37b140
                                                     function
           269323
                                                                   https://github.com/smsapi/smsapi-javasc
                     ContactsGroupsPermissionsDelete(optio...
                           function fromFreq (freq, tuning) {\n
           269344
                                                                  https://github.com/danigb/music-pitch/blc
                                                   tuning =...
                            function checkSpacingAfter(token,
           269346
                                                                   https://github.com/eslint/eslint/blob/bc0
                                                pattern) {\n...
                              function writeCommentExt() {\n
           269348
                                                                 https://github.com/abagames/gif-capture-c
                                                out.writeByt...
          12395 rows × 15 columns
```

Testing toxicity

```
In [25]: with open('../../data/raw/en.txt', 'r', encoding='utf-8') as f:
    bad_words = [line.strip() for line in f if line.strip()]

# Compile a regex pattern for whole word matches, case-insensitive
pattern = re.compile(r'\b(' + '|'.join(map(re.escape, bad_words)) + r')\b', flag
```

```
# Function to flag inappropriate content
           def flag_inappropriate(text):
               return bool(pattern.search(text))
           # Apply to the dataframe
           df['is_inappropriate'] = df['text'].apply(flag_inappropriate)
In [26]:
           df[df['is_inappropriate']==True]
Out[26]:
                                     text
                                                                                            element co
                                   Herren
                           Skihandschuhe
               106
                                            https://clean-winners.de/herren-skihandschuhe-...
                     Vergleich - die besten
                      Elcometer: Tablas de
               166
                                   Prueba
                                           http://elcometer.com.mx/aplicacion/Elcometer_4...
                      Leneta\nProductos ...
                        I can't seem to
               222 figure out a good way
                                                                                     None
                                   to do...
                     Cámara Domo Meriva
               239
                        MBAS500, 650TVL http://www.pcdigital.com.mx/product_info.php/c...
                             12X ZOO c/ ...
                       15.11.2018 numeros
                                                       https://expertforum.info/Videos-con-
               265
                          de prostitutas en
                                                                              putas/nume...
                               tarragona...
                          Leave it to Nigel
           269167
                       Jaquiss to write this
                                                                                     None
                                   trash ...
                      More questions than
           269190
                       answers in death of
                                            http://abcnews.go.com/International/wireStory/...
                                  North ...
                     Siempre: 01/01/2010
           269235
                                                   http://alfonsoillas.blogspot.com/2010/01/
                    02/01/2010\nAcababa
                      Marines seek young,
                                              http://www.wafb.com/story/37418771/marines-
           269254
                          tough recruits in
                               Super Bo...
                         I don't know why
           269351
                      anybody's gonna get
                                                                                     None
                               their pan...
          6003 rows × 16 columns
 In [ ]:
```