

1 import nltk
2 import gensim
3 import logging
4 import math
5 import os
6 import numpy as np
7 import re
8 import spacy
9 import matplotlib.pyplot as plt
10 import mumpy as mp
11 import pandas as pd
12 import pyLDAvis.gensim_models
13 import warnings
14
15 from gensim import corpora, models
16 from gensim.utils import simple_preprocess
17 from gensim.models.ldamodel import LdaModel
18 from gensim.models.ldamodel import CoherenceModel
19 from gensim.test.utils import common_texts
20 from gensim.models import Word2Vec
21 from gensim.test.utils import download
22
23 from nltk.corpus import stopwords
24 from nltk import pos_tag, pos_tagged_sents, pos_tagged_sentences
25 from nltk.tokenize import word_tokenize
26 from nltk.collocations import BigramCollocationFinder
27 from nltk.metrics import SkrankInfoMeasures
28 from nltk.collocations import TrigramCollocationFinder
29 from nltk.metrics import TrigramInfoMeasures
30 from nltk.tokenize import RegexpTokenizer
31
32 from sklearn.feature_extraction.text import CountVecorizer
33 from sklearn.feature_extraction.text import TfidfVecorizer
34 from sklearn.feature_extraction.text import ENGLISH_STOP_WORDS
35 from sklearn.preprocessing import normalize
36
37 from stop_words import get_stop_words
38 from wordcloud import WordCloud
39
40 C:\Users\brune\anaconda3\envs\CourseRN\lib\site-packages\tqdm\auto.py:22: TqdmWarning: IPProgress not found. Please
41 update jupyter and ipynbwidgets. See https://ipywidgets.readthedocs.io/en/stable/user_install.html
42 from .autonotebook import tqdm as notebook_tqdm
43
44 In [2]: with open(os.path.join('posts_majors_propre.json'), 'r', encoding = 'UTF-8') as fin_f2 :
45 data = json.load(fin_f2)
46
47 In [3]: index = {}
48 a = ''
49 list_clean_content = []
50 for j in range(1413):
51 index = data[131]
52 a = index.replace("\n", "")
53 list_clean_content.append(a)
54
55 In [4]: sp_stop_words = get_stop_words('spanish')
56 fr_stop_words = get_stop_words('french')
57 en_stop_words = get_stop_words('english')
58
59 In [5]: words = ["plus", "rien", "tres", "ca", "fr", "com", "www", "http",
60 "etais", "etais", "etais", "meme", "non", "bien", "oui", "quoi",
61 "chez", "va", "apres"]
62
63 In [6]: stop_words = sp_stop_words + fr_stop_words + en_stop_words + words
64
65 In [7]: # fonction qui genere les listes de mots (tokens) à partir des textes
66 def sent_to_words(sentences):
67 for sentence in sentences:
68 yield(simple_preprocess(str(sentence), deacc=True)) # deacc=True removes punctuations
69
70 # on construit le corpus
71 data_words = list(sent_to_words(list_clean_content))
72
73 In [8]: doc = set(list_clean_content)
74
75 In [9]: def remove_stopwords(texts):
76 return [word for word in simple_preprocess(str(doc)) if word not in stop_words] for doc in texts)
77
78 # on retire les mots-outils
79 data_words_nostops = remove_stopwords(data_words)
80
81 In [10]: # création du dictionnaire
82 dico = corpora.Dictionary(data_words_nostops)
83
84 ### Filtering rare and extreme vocabulary ###
85 dico.filter_extremes(no_below = 5, no_above = 0.5)
86
87 # Create Corpus
88 texts = data_words_nostops
89
90 # Matrice Term Document Frequency
91 corpus = [dico.doc2bow(text) for text in texts]
92
93 In [11]: ldamodel = LdaModel(corpus, id2word = dico,
94 num_topics=40,
95 min_count=10,
96 random_state=100,
97 per_word_topics=True)
98
99 In [12]: ldamodel.show_topics(num_topics=40, formatted=False)
100
101 Out[12]: [(0,
102 ['roman', 0.011101952],
103 ['dant', 0.00858464],
104 ['histoire', 0.007922815],
105 ['auteur', 0.005623733],
106 ['oeuvre', 0.005327065],
107 ['livre', 0.005234535],
108 ['litterature', 0.005192275],
109 ['annees', 0.00496529],
110 ['personnage', 0.00482647],
111 ['recit', 0.0040478466]),
112 (1,
113 ['photo', 0.01563041],
114 ['lie', 0.06708874],
115 ['me', 0.04300688],
116 ['perce', 0.03232584],
117 ['com', 0.021750832],
118 ['avion', 0.019874325],
119 ['matricule', 0.01448495],
120 ['ambre', 0.011962216],
121 ['ulysee', 0.01176681],
122 ['quentin', 0.011092606]),
123 (2,
124 ['sexe', 0.011813908],
125 ['masculin', 0.010361793],
126 ['animal', 0.009403951],
127 ['croire', 0.00876982],
128 ['societ', 0.00820644],
129 ['dune', 0.006791551],
130 ['sonner', 0.006749826],
131 ['eminin', 0.006302643],
132 ['baleine', 0.006126382],
133 ['violet', 0.005972288]),
134 (3,
135 ['anna', 0.036052696],
136 ['victor', 0.029417023],
137 ['hugo', 0.02690456],
138 ['didier', 0.016413993],
139 ['robin', 0.01599371],
140 ['michel', 0.014853239],
141 ['monique', 0.014482595],
142 ['lou', 0.014392301],
143 ['esper', 0.014165274],
144 ['perce', 0.013537045]),
145 (4,
146 ['blog', 0.047795142],
147 ['de', 0.044379514],
148 ['blogspot', 0.034695435],
149 ['facebook', 0.03297513],
150 ['jose', 0.029070895],
151 ['ana', 0.02479138],
152 ['didier', 0.023496879],
153 ['bill', 0.02293492],
154 ['met', 0.02167708],
155 ['maria', 0.02061322]),
156 (5,
157 ['berri', 0.00981315],
158 ['me', 0.00973637],
159 ['ugan', 0.009742987],
160 ['tait', 0.009719637],
161 ['meson', 0.009694204],
162 ['connaissance', 0.006521534],
163 ['refacement', 0.006508385],
164 ['chasse', 0.006124028],
165 ['suzie', 0.0054127183],
166 ['bis', 0.004652498]),
167 (6,
168 ['police', 0.0434523],
169 ['htes', 0.02368971],
170 ['facebook', 0.019532032],
171 ['voter', 0.01936359],
172 ['people', 0.017353207],
173 ['me', 0.016730448],
174 ['justice', 0.016691515],
175 ['social', 0.01438969],
176 ['me', 0.013332639],
177 ['elections', 0.011097669]),
178 (7,
179 ['days', 0.01762651],
180 ['france', 0.016748156],
181 ['contre', 0.013170539],
182 ['didier', 0.01296247],
183 ['francis', 0.009851971],
184 ['politique', 0.009653286],
185 ['monde', 0.009204325],
186 ['ete', 0.006364158],
187 ['etat', 0.0063582165],
188 ['europe', 0.005732424]),
189 (8,
190 ['pen', 0.019782037],
191 ['chiffre', 0.01702913],
192 ['ira', 0.01622828],
193 ['alex', 0.015969828],
194 ['tourne', 0.014993431],
195 ['figaro', 0.014924939],
196 ['potier', 0.014903508],
197 ['pactes', 0.014601689],
198 ['mondia', 0.01346594],
199 ['pareils', 0.012010158]),
200 (9,
201 ['pain', 0.029873764],
202 ['table', 0.029772153],
203 ['mange', 0.018266229],
204 ['cuisine', 0.01539898],
205 ['mange', 0.013487048],
206 ['mille', 0.012413756],
207 ['scope', 0.011576765],
208 ['repar', 0.011465147],
209 ['me', 0.011324129],
210 ['vin', 0.01185428]),
211 (10,
212 ['clown', 0.025304463],
213 ['flash', 0.02258785],
214 ['cricque', 0.017678037],
215 ['voter', 0.017542359],
216 ['veter', 0.01585976],
217 ['jeff', 0.013886322],
218 ['me', 0.013693972],
219 ['sonia', 0.013132268],
220 ['teste', 0.012663293],
221 ['hop', 0.012433876]),
222 (11,
223 ['sheerbrooke', 0.011265041],
224 ['suzie', 0.010715513],
225 ['amical', 0.006747978],
226 ['personnages', 0.006659518],
227 ['maistre', 0.0064450796],
228 ['estil', 0.0057940446],
229 ['smeon', 0.00532256],
230 ['crystal', 0.0049359864],
231 ['oul', 0.0046201507]),
232 (12,
233 ['michel', 0.013745925],
234 ['menard', 0.052007463],
235 ['web', 0.03609542],
236 ['ciquant', 0.03518885],
237 ['elise', 0.03238806],
238 ['michel', 0.02109452],
239 ['detachees', 0.015688993],
240 ['interruption', 0.013867157],
241 ['soudaines', 0.013202693],
242 ['manoeuvre', 0.011957059]),
243 (13,
244 ['jean', 0.01396769],
245 ['kvin', 0.0382389],
246 ['domin', 0.030404245],
247 ['suzie', 0.02584604],
248 ['bunker', 0.01553215],
249 ['conserve', 0.014046189],
250 ['feuilleton', 0.012938899],
251 ['hobbes', 0.012613367],
252 ['charlie', 0.010777536],
253 ['hobbes', 0.00917715]),
254 (14,
255 ['tete', 0.005445397],
256 ['vieux', 0.005356363],
257 ['dit', 0.004616103],
258 ['main', 0.003621288],
259 ['voter', 0.003529039],
260 ['jusq', 0.0034840239],
261 ['piede', 0.003195136],
262 ['suzie', 0.002721619],
263 ['chien', 0.003531996],
264 ['meu', 0.003029744]),
265 (15,
266 ['etre', 0.017184015],
267 ['dire', 0.00878968],
268 ['chome', 0.006883013],
269 ['faut', 0.006794624],
270 ['response', 0.0065123965],
271 ['cojotes', 0.006295287],
272 ['autres', 0.006036327],
273 ['tempa', 0.0059937267],
274 ['me', 0.005854673],
275 ['donc', 0.005414577]),
276 (16,
277 ['etre', 0.027102569],
278 ['espace', 0.01646082],
279 ['lumiere', 0.010953558],
280 ['me', 0.010842353],
281 ['fou', 0.01082302],
282 ['ciel', 0.008794806],
283 ['me', 0.008669024],
284 ['image', 0.008132654],
285 ['oiseaux', 0.0075235516],
286 ['arbre', 0.006932766]),
287 (17,
288 ['mas', 0.03615788],
289 ['diaz', 0.02752002],
290 ['amie', 0.02503055],
291 ['clara', 0.024726804],
292 ['suzie', 0.02349236],
293 ['ups', 0.021729162],
294 ['video', 0.016804704],
295 ['vid', 0.016447008],
296 ['twitter', 0.013254889],
297 ['dia', 0.012649873]),
298 (18,
299 ['new', 0.044183303],
300 ['yock', 0.028162936],
301 ['billy', 0.02026013],
302 ['john', 0.017526418],
303 ['albin', 0.015736518],
304 ['richard', 0.01517432],
305 ['court', 0.014827885],
306 ['us', 0.013863526],
307 ['william', 0.012293059],
308 ['poet', 0.011636457]),
309 (19,
310 ['ville', 0.03822032],
311 ['rue', 0.036508527],
312 ['paris', 0.036504804],
313 ['pacte', 0.033845725],
314 ['saint', 0.018485659],
315 ['prenoms', 0.017362455],
316 ['cette', 0.015100711],
317 ['mccredie', 0.0111594135],
318 ['gare', 0.010197011],
319 ['place', 0.00962371]),
320 (20,
321 ['etes', 0.022737313],
322 ['liber', 0.017674943],
323 ['voter', 0.017047938],
324 ['monsieur', 0.015762666],
325 ['donc', 0.012953114],
326 ['seco', 0.012058582],
327 ['colier', 0.011976959],
328 ['oudon', 0.01104442],
329 ['commission', 0.010055038],
330 ['dan', 0.01006635]),
331 (21,
332 ['alberto', 0.03257117],
333 ['ange', 0.026756318],
334 ['pp', 0.02382482],
335 ['ronda', 0.022651644],
336 ['fabien', 0.02162022],
337 ['ciel', 0.019853277],
338 ['big', 0.01726185],
339 ['aimone', 0.016228972],
340 ['me', 0.01517432],
341 ['dion', 0.014304891]),
342 (22,
343 ['albert', 0.01603053],
344 ['zoe', 0.014461725],
345 ['ronda', 0.014348427],
346 ['me', 0.011903159],
347 ['helene', 0.011164072],
348 ['marde', 0.010882738],
349 ['me', 0.009122027],
350 ['leo', 0.008476625],
351 ['balzac', 0.007839109],
352 ['galicia', 0.006913106]),
353 (23,
354 ['musique', 0.06872127],
355 ['cassane', 0.02771836],
356 ['album', 0.01666328],
357 ['chansons', 0.0151069295],
358 ['rock', 0.012920038],
359 ['piano', 0.012609311],
360 ['voix', 0.012311879],
361 ['coucou', 0.011517609],
362 ['notes', 0.011093418],
363 ['jouer', 0.010537321]),
364 (24,
365 ['film', 0.012836154],
366 ['cinema', 0.006017896],
367 ['films', 0.004210318],
368 ['voix', 0.002012951],
369 ['prix', 0.001950459],
370 ['me', 0.001364444],
371 ['mc', 0.001221408],
372 ['bande', 0.011731129],
373 ['me', 0.011364444],
374 ['ecran', 0.011267191]),
375 (25,
376 ['etre', 0.010304979],
377 ['temps', 0.009720486],
378 ['puls', 0.008019847],
379 ['pacte', 0.006154478],
380 ['pis', 0.005720505],
381 ['quelques', 0.005577517],
382 ['voter', 0.005531293],
383 ['petit', 0.005199617],
384 ['dise', 0.0049159047],
385 ['sais', 0.0046760733]),
386 (26,
387 ['jean', 0.052546784],
388 ['pierre', 0.020162198],
389 ['marie', 0.019727176],
390 ['dominique', 0.019079002],
391 ['francois', 0.01862943],
392 ['pascale', 0.016836517],
393 ['thomas', 0.01579885],
394 ['laurent', 0.015058478],
395 ['mathieu', 0.014910089],
396 ['eric', 0.012879365]),
397 (27,
398 ['information', 0.006404726],
399 ['me', 0.0063094613],
400 ['ants', 0.005780178],
401 ['help', 0.0049152425],
402 ['blain', 0.0046702887],
403 ['me', 0.004032895],
404 ['strategie', 0.0038576403],
405 ['plan', 0.003555109],
406 ['me', 0.0034395168],
407 ['opinion', 0.0032962847]),
408 (28,
409 ['livre', 0.039764137],
410 ['commentaire', 0.035757348],
411 ['lire', 0.025142977],
412 ['livres', 0.022032589],
413 ['texte', 0.017553007],
414 ['lecture', 0.016143316],
415 ['auteur', 0.014648168],
416 ['ecrite', 0.01434736],
417 ['lu', 0.011205039],
418 ['écriture', 0.01138941]),
419 (29,
420 ['cartes', 0.06113293],
421 ['jorgana', 0.016243846],
422 ['nusa', 0.015528237],
423 ['circuit', 0.01480466],
424 ['me', 0.014531321],
425 ['jeon', 0.012966949],
426 ['brique', 0.011768036],
427 ['me', 0.009984785],
428 ['pont', 0.008749464],
429 ['balneaire', 0.008409815]),
430 (30,
431 ['bin', 0.024310058],
432 ['quidam', 0.00864893],
433 ['medecin', 0.008497007],
434 ['rit', 0.006437007],
435 ['docteur', 0.0062160073],
436 ['cassane', 0.005798978],
437 ['hopital', 0.005557824],
438 ['orthographe', 0.004666835],
439 ['me', 0.00467635],
440 ['prie', 0.004323449]),
441 (31,
442 ['black', 0.043604944],
443 ['go', 0.026279418],
444 ['re', 0.02444408],
445 ['chagel', 0.02340202],
446 ['man', 0.023422274],
447 ['will', 0.022895504],
448 ['me', 0.02181198],
449 ['one', 0.020277724],
450 ['me', 0.018367691],
451 ['time', 0.017689068]),
452 (32,
453 ['dit', 0.020421939],
454 ['me', 0.01839419],
455 ['pate', 0.015933914],
456 ['mece', 0.015637074],
457 ['elle', 0.014710518],
458 ['vie', 0.011627079],
459 ['aine', 0.01149694],
460 ['me', 0.00955526],
461 ['fantes', 0.009439512],
462 ['jeune', 0.00934901]),
463 (33,
464 ['nuir', 0.00919319],
465 ['yeux', 0.009016523],
466 ['me', 0.008747659],
467 ['jour', 0.0067957076],
468 ['ciel', 0.006271554],
469 ['me', 0.006125039],
470 ['temps', 0.00589898],
471 ['voix', 0.005734917],
472 ['vent', 0.005674743],
473 ['vers', 0.005162229]),
474 (34,
475 ['photos', 0.0338624],
476 ['art', 0.031978644],
477 ['exposition', 0.025861122],
478 ['me', 0.02398846],
479 ['act', 0.020101586],
480 ['photographie', 0.017413449],
481 ['criste', 0.016509801],
482 ['johnson', 0.015408865],
483 ['images', 0.013240184],
484 ['street', 0.01306053]),
485 (35,
486 ['edmond', 0.05032426],
487 ['de', 0.01826936],
488 ['bois', 0.01806394],
489 ['adam', 0.010033128],
490 ['visibilite', 0.0097950455],
491 ['cho', 0.009581629],
492 ['innocent', 0.009297929],
493 ['schercher', 0.008808583],
494 ['ewe', 0.008206173],
495 ['daniele', 0.008157336]),
496 (36,
497 ['chat', 0.019392156],
498 ['matin', 0.016220162],
499 ['blond', 0.015981913],
500 ['rouge', 0.014025664],
501 ['petit', 0.013913314],
502 ['me', 0.013548078],
503 ['rose', 0.0128810685],
504 ['jardin', 0.012228647],
505 ['me', 0.011948457],
506 ['noir', 0.011867278]),
507 (37,
508 ['poete', 0.05027058],
509 ['poete', 0.033578306],
510 ['poeme', 0.03263667],
511 ['poeme', 0.02120032],
512 ['poetes', 0.014492928],
513 ['editions', 0.01042807],
514 ['me', 0.00912182],
515 ['pierre', 0.007785834],
516 ['vers', 0.007699569],
517 ['ecueil', 0.007426496]),
518 (38,
519 ['theatre', 0.021654895],
520 ['me', 0.016531887],
521 ['sexe', 0.013766229],
522 ['spectacle', 0.009517956],
523 ['samedi', 0.009245773],
524 ['annee', 0.009084101],
525 ['piscier', 0.008920613],
526 ['vendredi', 0.007998084],
527 ['ete', 0.007551393]),
528 (39,
529 ['monde', 0.018956313],
530 ['vie', 0.018897047],
531 ['homme', 0.014817018],
532 ['amour', 0.008186717],
533 ['mort', 0.008030022],
534 ['etre', 0.007702533],
535 ['temps', 0.00693648],
536 ['corps', 0.006515786],
537 ['homme', 0.005839277],
538 ['me', 0.005487328]),
539 (40,
540 ['pyLDAvis: enable notebook()
541 via pyLDAvis.gensim_models.prepare(ldamodel, gensim.matutils.corpus2csc(corpus), dictionary=ldamodel.id2word)
542 from gensim.test.utils import common_texts
543 C:\Users\brune\anaconda3\envs\CourseRN\lib\site-packages\pyLDAvis\prepare.py:247: FutureWarning: In a future ve
544 sion of pandas all arguments of DataFrame.drop except for the argument 'labels' will be keyword-only.
545 # Bailency, ascending=False).head(8).drop('bailency', 1)
546 Out[13]: Selected Topic: 0 Previous Topic Next Topic Clear Topic
547 Slide to adjust relevance metric: 2
548 λ = 1
549 InterTopic Distance Map (via multidimensional scaling) Top-30 h
550 0 5,000 10,000 15
551 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30
552 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30
553 24 5% 10%
554 25% 50%
555 0 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30
556 0 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30
557 In [14]: lde = ldamodel[corpus]
558 In [25]: def format_topics_sentences(ldamodel, corpus, texts):
559 # First corpus
560 sent_topics_df = pd.DataFrame()
561 # Get main topic in each document
562 for i, row in enumerate(ldamodel[corpus]):
563 # Print(row)
564 row = sorted(row[0], key=lambda x: (x[1], reverse=True)
565 # Get the dominant topic, Proba Contribution and Keywords for each document
566 for j, topic_num, prop_topic in enumerate(row):
567 if j == 0: # ==> dominant topic
568 topic_keywords = ""
569 sent_topics_df = sent_topics_df.append(pd.Series([int(topic_num), round(prop_topic,4), topic_ke
570 else: break
571 sent_topics_df.columns = ['Dominant_Topic', 'Perc_Contribution', 'Topic_Keywords']
572 # Add original text to the end of the output
573 contents = pd.Series(texts)
574 sent_topics_df = pd.concat([sent_topics_df, contents], axis=1)
575 return(sent_topics_df)
576 df_topic_sents_keywords = format_topics_sentences(ldamodel=ldamodel, corpus=corpus, texts=doc_set)
577 # Print
578 df_dominant_topic = df_topic_sents_keywords.reset_index()
579 df_dominant_topic.columns = ['Document_No', 'Dominant_Topic', 'Topic_Perc_Contrib', 'Keywords', 'Text']
580 # Show
581 df_dominant_topic.head(50)
582 C:\Users\brune\AppData\Local\Temp\ipykernel_20372\2926149746.py:16: FutureWarning: The frame.append method is d
583 eprecated and will be removed from pandas in a future version. Use pandas.concat instead.
584 df_topic_sents_keywords = format_topics_df.append(pd.Series([int(topic_num), round(prop_topic,4), topic_keywords]
585 ignore_index=True)
586 Out[25]: Document_No Dominant_Topic Topic_Perc_Contrib Keywords Text
587 0 0 0 0.3164 nuit, yeux, corps, jour, ciel, mots, temps, vo... le premier jour du premier mois de l'annee res...
588 1 1 0 0.0250 roman, dont, histoire, auteur, oeuvre, livre, L...
589 2 2 15 0.6686 etre, dire, chose, faut, response, toujours, au... âmes perdues carne perdus en conste s'impose ...
590 3 3 33 0.3797 nuit, yeux, corps, jour, ciel, mots, temps, vo... pour y croire j'ai enterré quelque chose de mo...
591 4 4 0 0.0250 roman, dont, histoire, auteur, oeuvre, livre, L...
592 5 5 33 0.2747 nuit, yeux, corps, jour, ciel, mots, temps, vo... des sentiments le pourrais-je lui cuisent ...
593 6 6 39 0.4677 monde, vie, homme, amour, mort, etre, temps c... y a des journées parfaites et fébriles ou j'ar...
594 7 7 15 0.3668 etre, dire, chose, faut, response, toujours, au... je ne suis ni normand ni féministe ni chanteu...
595 8 8 16 0.4251 terre, espace, lumiere, eau, feu, ciel, ombre... je ne sais pas ce qui me peine et je sais à p...
596 9 9 33 0.4009 nuit, yeux, corps, jour, ciel, mots, temps, vo... sans les méchants les saints ne le sont guère ...
597 10 10 15 0.5665 etre, dire, chose, faut, response, toujours, au... si parler n'est pas agir alors les mots ne peu...
598 11 11 32 0.4658 dit, ans, pere, mere, fille, vie, aime, saïs... les questions ne perdent et les réponses ne fo...
599 12 12 33 0.3167 nuit, yeux, corps, jour, ciel, mots, temps, vo... la magie parfois c'est antier d'être subil L...
600 13 13 15 0.2664 etre, dire, chose, faut, response, toujours, au... tu as toujours cette facilité à aller chercher...
601 14 14 15 0.4872 etre, dire, chose, faut, response, toujours, au... Toujours pas de nouvelles de mon frère. recue...
602 15 15 15 0.4321 etre, dire, chose, faut, response, toujours, au... je vous prévins j'ai une terrible envie de ba...
603 16 16 33 0.8926 nuit, yeux, corps, jour, ciel, mots, temps, vo... je regarde le ciel et me dernière une feni...
604 17 17 0 0.0250 roman, dont, histoire, auteur, oeuvre, livre, L...
605 18 18 39 0.2748 monde, vie, homme, amour, mort, etre, temps c... DANGEROUS! LES FAMILLES NUISSENT DANGEROUS!...
606 19 19 0 0.0250 roman, dont, histoire, auteur, oeuvre, livre, L...
607 20 20 32 0.3971 dit, ans, pere, mere, fille, vie, aime, saïs... la ville se referme sur l'angoisse et le dram...
608 21 21 9 0.3025 pain, table, manger, cuisine, mange, hulle, so... à Christine Spadaccini aucune couleur au...
609 22 22 33 0.4548 nuit, yeux, corps, jour, ciel, mots, temps, vo... même si le crachin bleu reste jouablema chevi...
610 23 23 0 0.0250 roman, dont, histoire, auteur, oeuvre, livre, L...
611 24 24 33 0.3494 nuit, yeux, corps, jour, ciel, mots, temps, vo... nous sommes graines que le vent pousse nous ...
612 25 25 1 0.3418 photo, lie, mer, port, cm, avion, matricule, au... Ajouter une légende
613 26 26 0 0.0250 roman, dont, histoire, auteur, oeuvre, livre, L...
614 27 27 30 0.2595 bin, quidam, medecin, fit, docteur, recre, ho... Stella se souvient en jouant on apprend autan...
615 28 28 39 0.4560 monde, vie, homme, amour, mort, etre, temps c... elle cherche un moyen de contacter les anges ...
616 29 29 0 0.0250 roman, dont, histoire, auteur, oeuvre, livre, L...
617 30 30 25 0.2899 etre, temps, puis, poste, pis, quelques, voir... peu importe la mode tout finit par puer la vie...
618 31 31 33 0.3522 nuit, yeux, corps, jour, ciel, mots, temps, vo... Aulène, au fin fond de l'Onie, le froid et ...
619 32 32 0 0.0250 roman, dont, histoire, auteur, oeuvre, livre, L...
620 33 33 39 0.3190 monde, vie, homme, amour, mort, etre, temps c... les grands mots ont aveuglé le monde ce petit ...
621 34 34 0 0.0250 roman, dont, histoire, auteur, oeuvre, livre, L...
622 35 35 25 0.3712 etre, temps, puis, poste, pis, quelques, voir... sous un ciel sans fin je rêveasse comme un idi...
623 36 36 33 0.4347 nuit, yeux, corps, jour, ciel, mots, temps, vo... l'automee éclate comme une guerre et je récup...
624 37 37 0 0.0250 roman, dont, histoire, auteur, oeuvre, livre, L...

