

Data Explorations

I ran out of time to actually prepare some graphs
I wish I had more time to work on this.. But
I have to take care of my physical health for a while

Data Inspection

month: Nov '18	rows: 3,648,841	clicks: 592,140,546	
month: Dec '18	rows: 3,605,414	clicks: 553,715,340	
month: Jan '19	rows: 3,840,887	clicks: 607,900,426	
month: Feb '19	rows: 3,497,999	clicks: 519,465,272	
month: Mar '19	rows: 3,842,618	clicks: 583,624,473	

NOV 2018

TOP 25

Top from
search

(Left)

Top Overall

(right)

	n
curr	
Freddie_Mercury	730379
La_Vérité_sur_l'affaire_Harry_Quebert	592669
Stan_Lee	388250
Carlos_Ghosn	351895
Première_Guerre_mondiale	325652
Victor_Hugo	321662
Queen	304329
Black_Friday_(shopping)	271400
Philippe_Pétain	245926
Armistice_de_1918	223836
Angèle_(chanteuse)	218893
Mai_68	213560
Patrick_Bruel	205837
Harry_Potter_(série_de_films)	201455
Thanksgiving_(États-Unis)	199155
Mouvement_des_Gilets_jaunes	189854
Ligue_des_nations_de_l'UEFA	189005
Message_d'Arecibo	185975
Dix_pour_cent	184538
Les_Animaux_fantastiques_(film)	184230
Bohemian_Rhapsody_(film)	183140
Emmanuel_Macron	182124
Les_Animaux_fantastiques_:Les_Crimes_de_Grindelwald	177959
Signe_du_zodiaque	175745
Aya_Nakamura	163834

	n
curr	
-	1151650
Freddie_Mercury	1009215
France	695139
La_Vérité_sur_l'affaire_Harry_Quebert	661427
Attentats_du_13_novembre_2015_en_France	507898
Stan_Lee	484610
Carlos_Ghosn	433640
Guerre_civile_syrienne	430221
Première_Guerre_mondiale	429364
Queen	419876
Victor_Hugo	410806
Technologies_de_l'information_et_de_la_communication	332742
Propylène_glycol	319302
Black_Friday_(shopping)	310179
Philippe_Pétain	305529
Canada	295926
Air	294199
Comptabilité	274344
1956	271135
Patrick_Bruel	266369
Liste_des_personnages_du_monde_des_sorciers_de_J._K._Rowling	264917
Armistice_de_1918	264141
Emmanuel_Macron	260902
Angèle_(chanteuse)	260178
Les_Animaux_fantastiques_:Les_Crimes_de_Grindelwald	249153

DEC 2018

TOP 25

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search

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	n
curr	
Mouvement_des_Gilets_jaunes	356218
Freddie_Mercury	269269
La_Vérité_sur_l'affaire_Harry_Quebert	268130
Emmanuel_Macron	262944
Mai_68	262693
Miss_France	221649
Noël	219497
Affaire_Dupont_de_Lignonès	219316
Alexandre_Benalla	203065
Maria_Pacôme	201234
Christophe_Castaner	180895
Bigflo_et_Oli	179712
Miss_France_2019	170748
Jenifer	163328
Jason_Momoa	156276
Saint-Nicolas_(fête)	153864
Père_Noël	149111
Impôt_de_solidarité_sur_la_fortune	148980
Bird_Box_(film)	147601
Ballon_d'or	146974
Lionel_Messi	145729
Kylian_Mbappé	145281
Arc_de_triomphe_de_l'Étoile	145112
Cristiano_Ronaldo	143662
Angèle_(chanteuse)	143405

	n
curr	
-	1081497
France	643807
Mouvement_des_Gilets_jaunes	482648
Freddie_Mercury	374312
Emmanuel_Macron	367666
Technologies_de_l'information_et_de_la_communication	367010
Signaux_faibles	334941
Comptabilité	308584
La_Vérité_sur_l'affaire_Harry_Quebert	305413
Mai_68	303086
Noël	277073
Miss_France	265673
Affaire_Dupont_de_Lignonès	253819
Maria_Pacôme	251855
Kayden_Boche	239863
Alexandre_Benalla	238665
Miss_France_2019	233922
Christophe_Castaner	230869
Propylène_glycol	227278
Lionel_Messi	224165
Cristiano_Ronaldo	215816
Accueil	212479
George_H._W._Bush	209814
Jason_Momoa	209297
Bigflo_et_Oli	206687

JAN 2019

TOP 25

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search

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	n
curr	
Emiliano_Sala	767670
Bilal_Hassani	387874
Championnat_du_monde_masculin_de_handball_2019	372017
Christophe_Dettinger	365050
Che_Guevara	359355
Michel_Legrand	334734
Freddie_Mercury	332669
You_(série_télévisée)	318855
Sex_Education	257460
Marlène_Schiappa	250222
Signe_du_zodiaque	228247
Chantal_Jouanno	220060
Titans_(série_télévisée,_2018)	206656
Glass_(film)	191005
Carlos_Ghosn	186812
Galette_des_rois	181636
Alexandre_Benalla	177397
A_Star_Is_Born_(film,_2018)	174810
Francesca_Antoniotti	167521
Lady_Gaga	164855
Dalida	155469
Booba	153046
Emmanuel_Macron	147858
Matthieu_Chedid	147681
Colette	146805

	n
curr	
-	1287485
Emiliano_Sala	926301
Championnat_du_monde_masculin_de_handball_2019	491633
Kayden_Boche	466861
France	460802
Christophe_Dettinger	450161
Freddie_Mercury	446751
Bilal_Hassani	445388
Che_Guevara	428967
Michel_Legrand	427701
You_(série_télévisée)	348452
Comptabilité	320175
Marlène_Schiappa	307730
Sex_Education	299922
Chantal_Jouanno	272306
Signe_du_zodiaque	262979
Élisabeth_II	248656
Titans_(série_télévisée,_2018)	240198
Glass_(film)	230148
Galette_des_rois	222158
Carlos_Ghosn	219647
Alexandre_Benalla	214135
Accueil	211458
Lady_Gaga	211022
Bradley_Cooper	209996

FEB 2019

TOP 25

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	n
curr	
Karl_Lagerfeld	1031709
Emiliano_Sala	406180
Freddie_Mercury	337720
Umbrella_Academy_(série_télévisée)	310754
Saint-Valentin	286882
Jacques_de_Bascher	285902
Lady_Gaga	224550
Signe_du_zodiaque	219558
Alain_Finkielkraut	214118
Bradley_Cooper	198697
A_Star_Is_Born_(film,_2018)	197208
Élodie_Fontan	181785
Sionisme	180948
Julien_Clerc	176762
Chandeleur	176249
Philippe_Lacheau	170565
Green_Book_: _Sur_les_routes_du_sud	169725
Kylian_Mbappé	162693
Umbrella_Academy	160755
Alita:_Battle_Angel	152800
Bigflo_et_Oli	145847
Lionel_Messi	145051
Rami_Malek	144541
Angèle_(chanteuse)	143383
Sex_Education	142266

	n
curr	
Karl_Lagerfeld	1326754
-	1061439
France	764103
Jacques_de_Bascher	500543
Emiliano_Sala	495954
Freddie_Mercury	446538
Kayden_Boche	436904
Umbrella_Academy_(série_télévisée)	369403
Saint-Valentin	344519
Élodie_Fontan	323776
Bradley_Cooper	285981
Lady_Gaga	280846
Comptabilité	272065
Alain_Finkielkraut	266700
Signe_du_zodiaque	251006
Sionisme	249242
A_Star_Is_Born_(film,_2018)	234675
Philippe_Lacheau	224449
Julien_Clerc	219259
Chandeleur	217374
Lionel_Messi	215208
Kylian_Mbappé	210722
Cristiano_Ronaldo	204371
Green_Book_: _Sur_les_routes_du_sud	200639
Umbrella_Academy	199370

MAR 2019

TOP 25

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(right)

	n
curr	
Luke_Perry	527085
Freddie_Mercury	320180
Moldavie	271502
Agnès_Varda	243420
PNL_(groupe)	239899
Signe_du_zodiaque	233757
Abdelaziz_Bouteflika	229428
Cristiano_Ronaldo	229421
Franck_Gastambide	225904
Kylian_Mbappé	213001
Les_Bracelets_rouges_(série_télévisée_française)	212734
Raphaël_Glucksmann	212423
Lionel_Messi	196571
Jenifer	190477
Umbrella_Academy_(série_télévisée)	188480
Boeing_737_MAX	188121
Lady_Gaga	185909
Christophe_Castaner	183358
Captain_Marvel_(film)	179927
Nouvelle-Zélande	179041
Michael_Jackson	167245
Game_of_Thrones	162329
Ligue_des_champions_de_l'UEFA	155615
A_Star_Is_Born_(film,_2018)	155162
Zinédine_Zidane	154044

	n
curr	
-	1093233
Luke_Perry	695812
France	599467
Kayden_Boche	457675
Freddie_Mercury	431682
Moldavie	347422
Cristiano_Ronaldo	329485
Agnès_Varda	309647
Franck_Gastambide	301167
Abdelaziz_Bouteflika	292127
Comptabilité	286191
Lionel_Messi	285760
Signe_du_zodiaque	267697
Kylian_Mbappé	267416
Raphaël_Glucksmann	266199
PNL_(groupe)	265315
W9	262455
Accueil	247538
Les_Bracelets_rouges_(série_télévisée_française)	247394
Lady_Gaga	238982
Nouvelle-Zélande	235588
Boeing_737_MAX	233469
Umbrella_Academy_(série_télévisée)	229878
Christophe_Castaner	227564
Ligue_des_champions_de_l'UEFA	226437

	A	B	C	D
1	Article	English Trans.	Description	Relevance
2	Freddie_Mercury		dead musician	movie release
3	France		country	
4	La_Vérité_sur_l'affaire_Harry_Qu ebert	The Truth about the Harry Quebert affair	swiss novel/TV show	TV show premiered in France on Nov 2018
5	Attentats_du_13_novembre_201 5_en_France	Attacks of Nov 13, 2015 in France	event	anniversary
6	Stan_Lee		comic book writer	died on Nov 12, 2018
7	Carlos_Ghosn		Nissan Chairman	arrested on Nov 19, 2018
8	Guerre_civile_syrienne	Syrian Civil War	event	Maybe related to yellow vest?
9	Première_Guerre_mondiale	First World War	event	100-year anniversary on Nov 11, 2018
10	Queen		British rock band	movie release
11	Victor_Hugo		famous writer	TV show aired in Nov 2018
12				
13				
14				
15				
16				

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☰
Nov 2018 ▾
Dec 2018 ▾
Jan 2019 ▾
Feb 2019 ▾
Mar 2019 ▾

	A	B	C	D
1	Article	English Trans.	Description	Relevance
2	France		country	
3	Mouvement_des_Gilets_jaunes	Movement of Yellow Vests	movement	movement started Nov 17, 2018
4	Freddie_Mercury		dead musician	movie release
5	Emmanuel_Macron		French President	related to Yellow Vest movement
6	Technologies_de_l'information_et_de_la_communication	Information and Communication Technologies	academic term	???
7	Signaux_faibles	Weak Signals	economic term	???
8	Comptabilité	Accounting	financial term	???
9	La_Vérité_sur_l'affaire_Harry_Quebert	The Truth about the Harry Quebert affair	swiss novel/TV show	show continues
10	Mai_68	May '68	movement	related to Yellow Vest movement
11	Noël	Christmas	festival	
12				
13				
<div> <div>+</div> <div>≡</div> <div>Nov 2018 ▾</div> <div>Dec 2018 ▾</div> <div>Jan 2019 ▾</div> <div>Feb 2019 ▾</div> <div>Mar 2019 ▾</div> </div>				

	A	B	C	D
1	Article	English Trans.	Description	Relevance
2	Emiliano_Sala		famous footballer	died on a plane crash on Jan 21, 2019
3	Championnat_du_monde_masculin_de_handball_2019	2019 Men's World Handball Championship	event	Jan 10, 2019 (France placed 3rd)
4	Kayden_Boche		french model/music producer	mini-series reality show "What the Kay"
5	France		country	
6	Christophe_Dettinger		former prof. boxer	violence during yellow vest demonstration Jan 5, 2019, police custody on Jan 7
7	Freddie_Mercury		dead musician	
8	Bilal_Hassani		French singer/songwriter	won the semifinal on Jan 12, 2019 at Eurovision Song Contest
9	Che_Guevara		revolutionary	featured in TV???
10	Michel_Legrand		French musician	died on Jan 26, 2019
11	You_(série_télévisée)	You (TV Series)	TV series	based on French novel Parfaite, show is named "Perfect" in Quebec
12				
13				
<div> <div>+</div> <div>☰</div> <div>Nov 2018 ▾</div> <div>Dec 2018 ▾</div> <div>Jan 2019 ▾</div> <div>Feb 2019 ▾</div> <div>Mar 2019 ▾</div> </div>				

	A	B	C	D
1	Article	English Trans.	Description	Relevance
2	Karl_Lagerfeld		German Designer	died on Feb 19, 2019 in France, associated with Chanel, H&M
3	France		country	
4	Jacques_de_Bascher			Karl Lagerfeld's companion, and Yves Saint Laurent's lover in '73
5	Emiliano_Sala		famous footballer	died last Jan
6	Freddie_Mercury		dead musician	
7	Kayden_Boche		french model/music producer	see Jan 2019
8	Umbrella_Academy_(série_télévisée)	Umbrella Academy (TV series)	Netflix show	premiered on Feb 2019
9	Saint-Valentin	Valentine's Day	event	
10	Élodie_Fontan		French actress	will be part of the the yearly charity concert Enfoiré
11	Bradley_Cooper		movie star	A Star is Born - Oscars performance
12	Lady_Gaga		singer	A Star is Born - Oscars performance
13				
...				
<div> <div>+</div> <div>≡</div> <div>Nov 2018 ▾</div> <div>Dec 2018 ▾</div> <div>Jan 2019 ▾</div> <div>Feb 2019 ▾</div> <div>Mar 2019 ▾</div> </div>				

A	B	C	D
Article	English Trans.	Description	Relevance
Luke_Perry		American actor	Died of stroke in March 4 2019, can speak french
France			
Kayden_Boche		french model actor director writer producer	What the Kay TV show
Freddie_Mercury			
Moldavie		Eastern Europe Country	France vs Moldova in Football march 23 "World champions France kick off their 2020 European Championship qualifying campaign against Moldova"
Cristiano_Ronaldo		portugese Footballer	Fined (\$22,700) by UEFA for his "cojones" celebration during Juventus' last-16 Champions League victory over Atletico Madrid. March 21
Agnès_Varda		dead french photographer artist film director	She died on March 29 , 2019 in Paris 1 , is a photographer , film director and French visual artist .
Franck_Gastambide		french actor director screenwriter	star of new comedy to be released Damien wants to change the world
Abdelaziz_Bouteflika		Former Algeria's President Bouteflika	Forced to resign after 20 years, Algeria used to be part of france, 7 year war to gain independence 1964 - 1962
Comptabilité	Accounting		
Lionel_Messi		Argentinian footballer	minory injury he has had the world record of the number of goals scored in one season "March 28, 2019 Why Lionel Messi is the world's best player goal or assist every 48 minutes
<div> <div>+</div> <div>≡</div> <div>Nov 2018 ▾</div> <div>Dec 2018 ▾</div> <div>Jan 2019 ▾</div> <div>Feb 2019 ▾</div> <div>Mar 2019 ▾</div> </div>			

Clickstream Data in France from November 2018 - March 2019 (5 Months)

Prev -> Current -> Number of Clicks -> Type

Added information

- Total number of clicks per month
- Total number of entries per month (rows)

For simplicity:

- I'm just looking at the:
 1. Top 10-25 articles per month and top
 2. Top 10-25 articles per month from search

Questions I'm interested in answering

ONE

- Top categories per month (group by broad categories)
- Pie chart: # articles per category over # total articles in given categories
- IE (Political Issues, People who died, Celebrities/Cinema TV shows, Football, Sports)
- Pie chart: Weighted by clicks
- The most viewed article are people.
- Most prominently other than French celebrities with upcoming shows, are football players and people who died. Turns out Football is really very popular in Europe (and everywhere else)
- One interesting thing I noticed was "Moldova" which was an eastern European Country that French Investors are investing in the development, but it turns out, they were just search it because there was France vs Moldova in Football on March 23 "World champions France kick off their 2020 European Championship qualifying campaign against Moldova"
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TWO

- Trends and drop rates per month of articles I noticed that for the past 5 months, Freddie Mercury has been consistently in the top 10 most viewed article in wikipedia.
- Some of the top articles on a particular month, and the trend of “clicks” in the next two or three months. For example how fast is the drop rate of certain articles. Like in movies of box office mojo, movies weekend drops (70%)
- Freddie Mercury has been consistently in the top 10 most viewed article in wikipedia.
- One thing I don't get is why “Accounting” in French is almost always in the top 10 every month. Why is that? Are they trying to reduce their taxes so they're searching for ways. Is this related to the Yellow Vest Movement? Discussed below.

THREE

-
- There is also some unrest politically and economically, there is something called the The yellow vest movement, started at Nov 18 and on going. After an online petition posted in May had attracted nearly a million signatures, mass demonstrations is said to be Populist, grassroots political movement for economic justice. Some famous people died (which was also searched like a boxer) because of this movement, there were violent protests.
- motivated by high cost of living, rising fuels, and tax reforms.
Anniversaries of historical events such as The Syrian Civil War, The First World War, Terrorist attacks, Che Guevarra...and a dictator was forced to resign after 20 years, it turns out Algeria used to be part of france, 7 year war to gain independence 1964 - 1962

Data Explorations

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