PROJET PYTHON : DATA VISUALISATION

PIPELINE TRAITEMENT DE DONNÉE

Importer le CSV Data

Convertir les donnes des colonnes en type utilisables

supprimer les lignes qui ont NAN , NAT, VIDES

Sauvegarder les données traitées

Fusionner les Colonnes identiques

Supprimer Colonnes redondantes

Traitement des sentiments par commentaire et Score

Ajout de la colonne sentiment

NOM : KEMKENG NGOUZA KEDI JOEL

INPUT DATA CSV

C16 — Customer care doesn't exist

	userName	userImage	content	score	thumbsUpCount	reviewCreatedVersion	at	replyContent	repliedAt	appVersion
1	userName	userImage	content	score	thumbsUpCc	reviewCreatedVersion	at	replyContent	repliedAt	appVersion
2	User_0		Good	5	0	4.556.10005	18/12/2024 17:17			4.556.10005
3	User_1		Nice	5	0	4.556.10005	18/12/2024 17:17			4.556.10005
4	User_2		Very convenient	5	0	4.532.10001	18/12/2024 17:09			4.532.10001
5	User_3		Good	4	0	4.556.10005	18/12/2024 17:08			4.556.10005
6	User_4		exllence	5	0	4.556.10005	18/12/2024 17:08			4.556.10005
7	User_5		Michelle was a very friendly and personable per:	5	0	4.556.10005	18/12/2024 17:06			4.556.10005
8	User_6		Bast price pr car available	5	0	4.556.10005	18/12/2024 17:06			4.556.10005
9	User_7		Good service	5	0	4.556.10005	18/12/2024 17:05			4.556.10005
10	User_8		Awesome	5	0	4.556.10005	18/12/2024 17:05			4.556.10005
11	User_9		Nice 😊😊😊😊😊	5	0	4.556.10005	18/12/2024 17:04			4.556.10005
12	User_10		Never using uber again in Europe, thry charged n	1	0		18/12/2024 16:56			
13	User_11		Nice app	5	0	4.556.10005	18/12/2024 16:52			4.556.10005
14	User_12		muita demora para achar uma corrida, e depois d	3	0	4.556.10005	18/12/2024 16:44			4.556.10005
15	User_13		It's been 8 months for now & this app is getting v	1	0	4.556.10005	18/12/2024 16:44			4.556.10005
16	User_14		Customer care doesn't exist	1	0	4.556.10005	18/12/2024 16:40			4.556.10005
17	User_15		Your location services are horrible please fix it	1	0	4.556.10005	18/12/2024 16:40			4.556.10005
18	User_16		Good	5	0		18/12/2024 16:38			
19	User_17		Very laye and herd settings	2	0	4.556.10005	18/12/2024 16:36			4.556.10005
20	User_18		Quote you one price and charge you another (hig	1	0	4.556.10005	18/12/2024 16:32			4.556.10005
21	User_19		Today one horrible experience I faced ...I booke(	1	0	4.556.10005	18/12/2024 16:32			4.556.10005
22	User_20		Quick and reliable.	5	0	4.556.10005	18/12/2024 16:29			4.556.10005
23	User_21		Super rides with reasonable amount	5	0	4.556.10005	18/12/2024 16:26			4.556.10005
24	User_22		Amazing application	5	0	4.556.10005	18/12/2024 16:25			4.556.10005
25	User_23		Supre app	5	0		18/12/2024 16:24			
26	User_24		Good	5	0	4.541.10003	18/12/2024 16:19			4.541.10003
27	User_25		The safest way to travel.	5	0	4.556.10005	18/12/2024 16:15			4.556.10005
28	User_26		Amazing	5	0	4.556.10005	18/12/2024 16:13			4.556.10005
29	User_27		Prompt and Cool	5	0	4.556.10005	18/12/2024 16:13			4.556.10005
30	User_28		Horrible, bunch of thieves. The fare you see whe	1	0	4.556.10005	18/12/2024 16:09			4.556.10005
31	User_29		Superb	5	0	4.556.10005	18/12/2024 16:08			4.556.10005

OUTPUT DATA CSV

userName	content	score	thumbsUpCount	reviewCreatedVersion	at	combined_score	sentiment
User_0	Good	5	0	4.556.10005	18/12/2024 17:17	0.79	positive
User_1	Nice	5	0	4.556.10005	18/12/2024 17:17	0.72	positive
User_2	Very convenient	5	0	4.532.10001	18/12/2024 17:09	0.4400000000000006	positive
User_3	Good	4	0	4.556.10005	18/12/2024 17:08	0.6399999999999999	positive
User_4	exllence	5	0	4.556.10005	18/12/2024 17:08	0.3000000000000004	positive
User_5	Michelle was a very friendly and personable person. Very polite!!	5	0	4.556.10005	18/12/2024 17:06	0.5800000000000001	positive
User_6	Bast price pr car available	5	0	4.556.10005	18/12/2024 17:06	0.5800000000000001	positive
User_7	Good service	5	0	4.556.10005	18/12/2024 17:05	0.79	positive
User_8	Awesome	5	0	4.556.10005	18/12/2024 17:05	1.0	positive
User_9	Nice 😊😊😊😊😊	5	0	4.556.10005	18/12/2024 17:04	0.72	positive
User_11	Nice app	5	0	4.556.10005	18/12/2024 16:52	0.72	positve
User_12	muita demora para achar uma corrida, e depois de muita demora selecionam um motorista l	3	0	4.556.10005	18/12/2024 16:44	0.0	neutral
User_13	It's been 8 months for now & this app is getting worse day by day. 1. When I click on "call driv	1	0	4.556.10005	18/12/2024 16:44	-0.3325	negative
User_14	Customer care doesn't exist	1	0	4.556.10005	18/12/2024 16:40	-0.3000000000000004	negative
User_15	Your location services are horrible please fix it	1	0	4.556.10005	18/12/2024 16:40	-1.0	negative
User_17	Very laye and herd settings	2	0	4.556.10005	18/12/2024 16:36	-0.010000000000000037	neutral
User_18	Quote you one price and charge you another (higher) price, for trips booked in advance	1	0	4.556.10005	18/12/2024 16:32	-0.1250000000000006	negative
User_19	Today one horrible experience I faced ...I booked one Uber go for one operation patient dro	1	0	4.556.10005	18/12/2024 16:32	-0.52	negative
User_20	Quick and reliable.	5	0	4.556.10005	18/12/2024 16:29	0.5333333333333333	positive
User_21	Super rides with reasonable amount	5	0	4.556.10005	18/12/2024 16:26	0.4866666666666667	positive
User_22	Amazing application	5	0	4.556.10005	18/12/2024 16:25	0.7200000000000001	positive
User_24	Good	5	0	4.541.10003	18/12/2024 16:19	0.79	positive
User_25	The safest way to travel.	5	0	4.556.10005	18/12/2024 16:15	0.3000000000000004	positive
User_26	Amazing	5	0	4.556.10005	18/12/2024 16:13	0.7200000000000001	positive
User_27	Prompt and Cool	5	0	4.556.10005	18/12/2024 16:13	0.545	positive
User_28	Horrible, bunch of thieves. The fare you see when booking versus the fare you pay is comple	1	0	4.556.10005	18/12/2024 16:09	-0.47051757812500006	negative
User_29	Superb	5	0	4.556.10005	18/12/2024 16:08	1.0	positive
User_30	Good service	5	0	4.556.10005	18/12/2024 16:07	0.79	positive
User_31	Very helpful	5	0	4.555.10003	18/12/2024 15:56	0.4400000000000006	positive
User_32	User friendly. The most important thing is Uber doesn't mess up the map.	4	0	4.550.10001	18/12/2024 15:52	0.3425	positive
User_33	Superb	5	0	4.556.10005	18/12/2024 15:51	1.0	positive
User_34	Safe app	5	0	4.552.10000	18/12/2024 15:50	0.65	positive
User_36	Amazing	5	0	4.556.10005	18/12/2024 15:41	0.7200000000000001	positive
User_37	Very good. Especially when no phone number in another country. Gmail also did fine	5	0	4.556.10005	18/12/2024 15:33	0.6095555555555556	positive