# ESCUELA POLITECNICA NACIONAL

# ESFOT

# BASES DE DATOS MULTIDIMENSAIONALES

# Pruerba 2B

**Nombre:** Gabriel Ibujés

Tweets Geolocalizados en New York

Ewyork (bd1)

Script de Geolocalización:

```
import couchdb
from tweepy import Stream
from tweepy import OAuthHandler
from tweepy.streaming import StreamListener
import json


###API ######################
ckey = "6Zyv4XxVypDqHDpFoHwSTrMzX"
csecret = "3J5TpltHtmEZGEw8RhRLABc3KQ2Quhjj2SVVykfw5zs02fjtpC"
atoken = "153168970-C8H0rPCjztDmLQMrjtgOYSPIzjLMyegrtrAZQQrq"
asecret = "WxWpMOMlghN1tVYZRFugRWTefM1SShLWVI4lL4oPWTAlO"
#####################################

class listener(StreamListener):

    def on_data(self, data):
        dictTweet = json.loads(data)
        try:

            dictTweet["_id"] = str(dictTweet['id'])
            doc = db.save(dictTweet)
            print ("SAVED" + str(doc) +"=>" + str(data))
        except:
            print ("Already exists")
            pass
        return True

    def on_error(self, status):
        print (status)

auth = OAuthHandler(ckey, csecret)
```

```
            dictTweet["_id"] = str(dictTweet['id'])
            doc = db.save(dictTweet)
            print ("SAVED" + str(doc) +"=>" + str(data))
        except:
            print ("Already exists")
            pass
        return True

    def on_error(self, status):
        print (status)

auth = OAuthHandler(ckey, csecret)
auth.set_access_token(atoken, asecret)
twitterStream = Stream(auth, listener())

'''========couchdb==========='''
server = couchdb.Server('http://admin:admin@localhost:5984/')  #('http://115.146.93.184:5984/')
try:
    db = server.create('newyork')
except:
    db = server['newyork']

'''===============LOCATIONS=============='''

twitterStream.filter(locations=[-74.25909,40.477399,-73.700181,40.916178])
#twitterStream.filter(track=['newyork'])
```

```
:\Users\Daniela\Documents\Gabo\QUINTO SEMESTRE GABO\BASES DE DATOS MULTIDIMENSIONALES>python tweets_newyork.py
AVED('1295852438545629184', '1-d68b6c7fdda7ac3a338cc25ee00342f6')=>{"created_at":"Tue Aug 18 22:37:51 +0000 2020","id"
295852438545629184,"id_str":"1295852438545629184","text":"@JoeBiden Biden why don't you say a dam thing about all thes
democrats run states like Portland NewYork the riots\u2026 https:\/\/t.co\/ZC9NFbCtoA","display_text_range":[10,140],"
urce":"\u003ca href=\"https:\/\/mobile.twitter.com\" rel=\"nofollow\"\u003eTwitter Web App\u003c\/a\u003e","truncated"
rue,"in_reply_to_status_id":1295828315056623616,"in_reply_to_status_id_str":"1295828315056623616","in_reply_to_user_id
939091,"in_reply_to_user_id_str":"939091","in_reply_to_screen_name":"JoeBiden","user":{"id":828734145245351937,"id_str
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,"translator_type":"none","protected":false,"verified":false,"followers_count":261,"friends_count":570,"listed_count":
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en Biden why don't you say a dam thing about all these democrats run states like Portland NewYork the riots looters pe
le digging cops kids this is bullshit joe. Have the balls if you have any speak out if you even care. This is all your
```
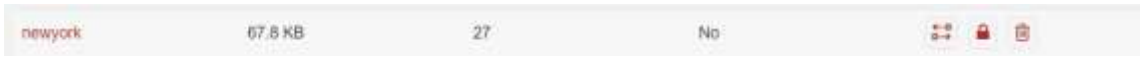
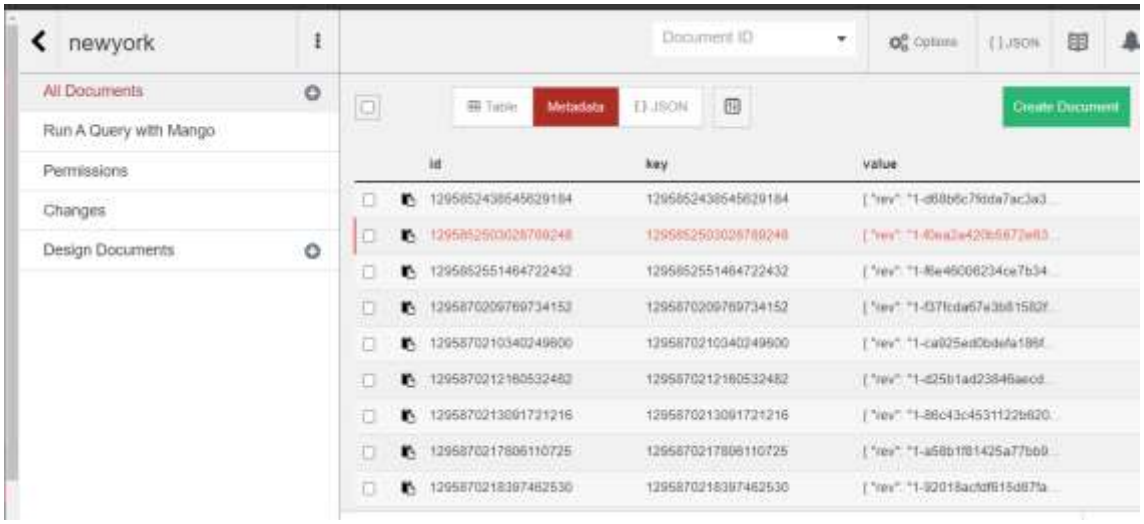



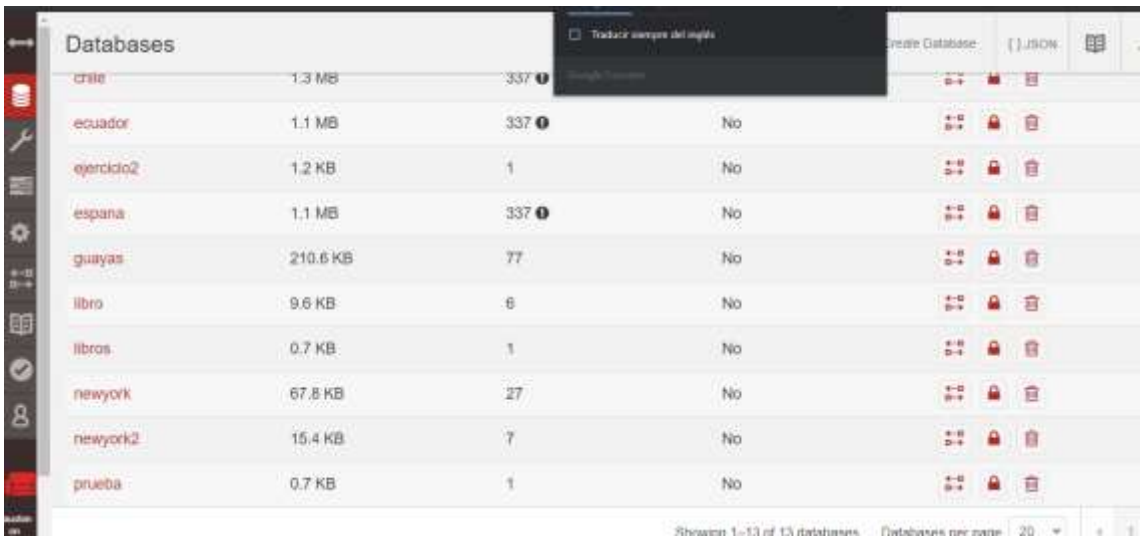



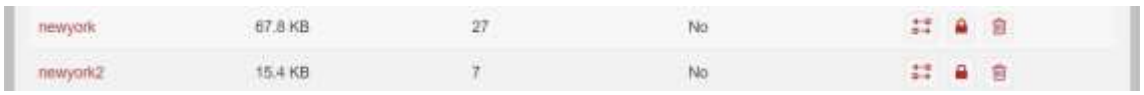

New York 2 (bd2)

Script:

```
            print ("SAVED" + str(doc) +"=>" + str(data))
        except:
            print ("Already exists")
            pass
        return True

    def on_error(self, status):
        print (status)

auth = OAuthHandler(ckey, csecret)
auth.set_access_token(atoken, asecret)
twitterStream = Stream(auth, listener())

'''========couchdb'=========='''
server = couchdb.Server('http://admin:admin@localhost:5984/')  #('http://115.146.93.184:5984/')
try:
    db = server.create('newyork2')
except:
    db = server['newyork2']

'''===============LOCATIONS==============='''

twitterStream.filter(locations=[-74.25909,40.477399,-73.700181,40.916178])
#twitterStream.filter(track=['newyork'])
```

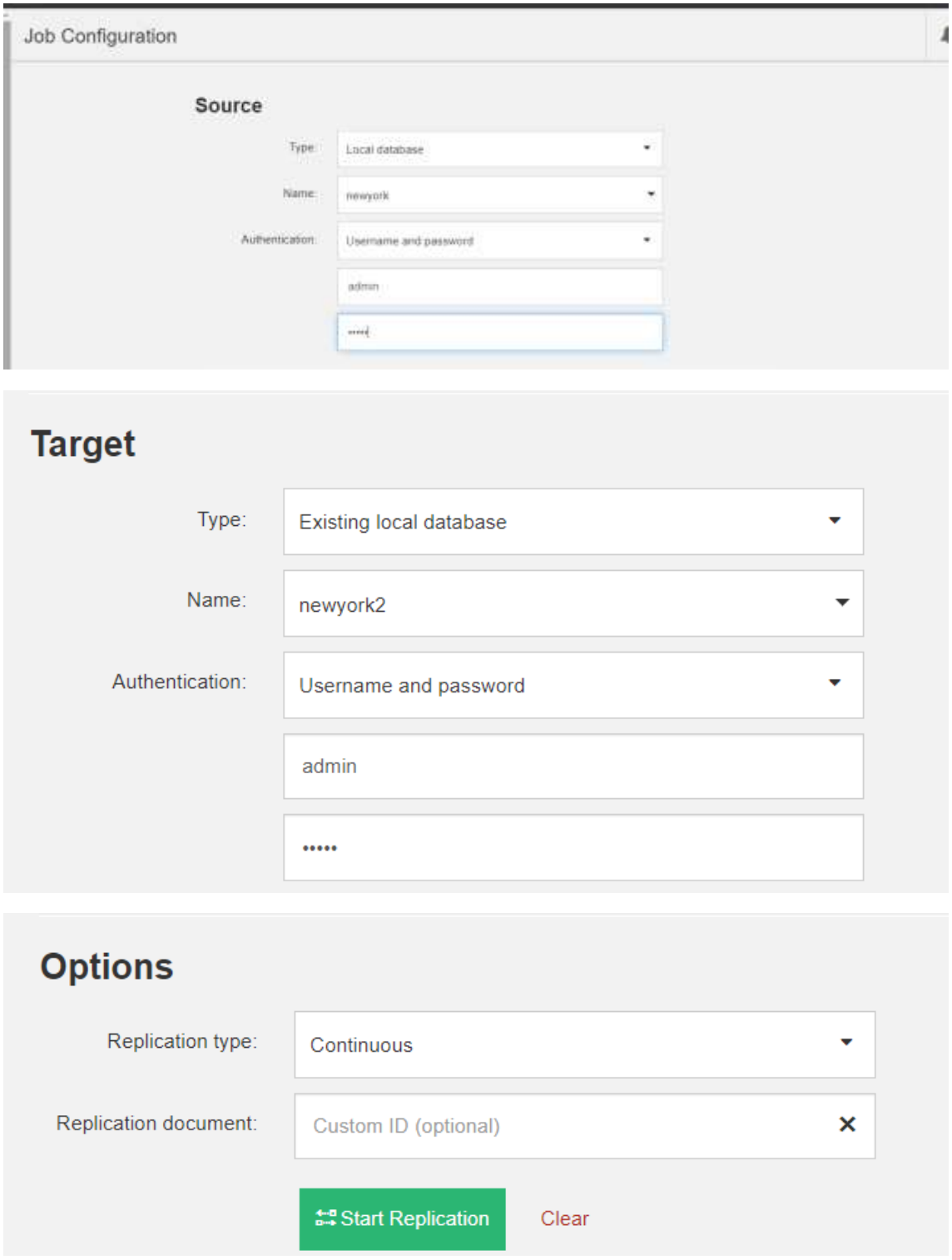
Comprobamo en couchDB



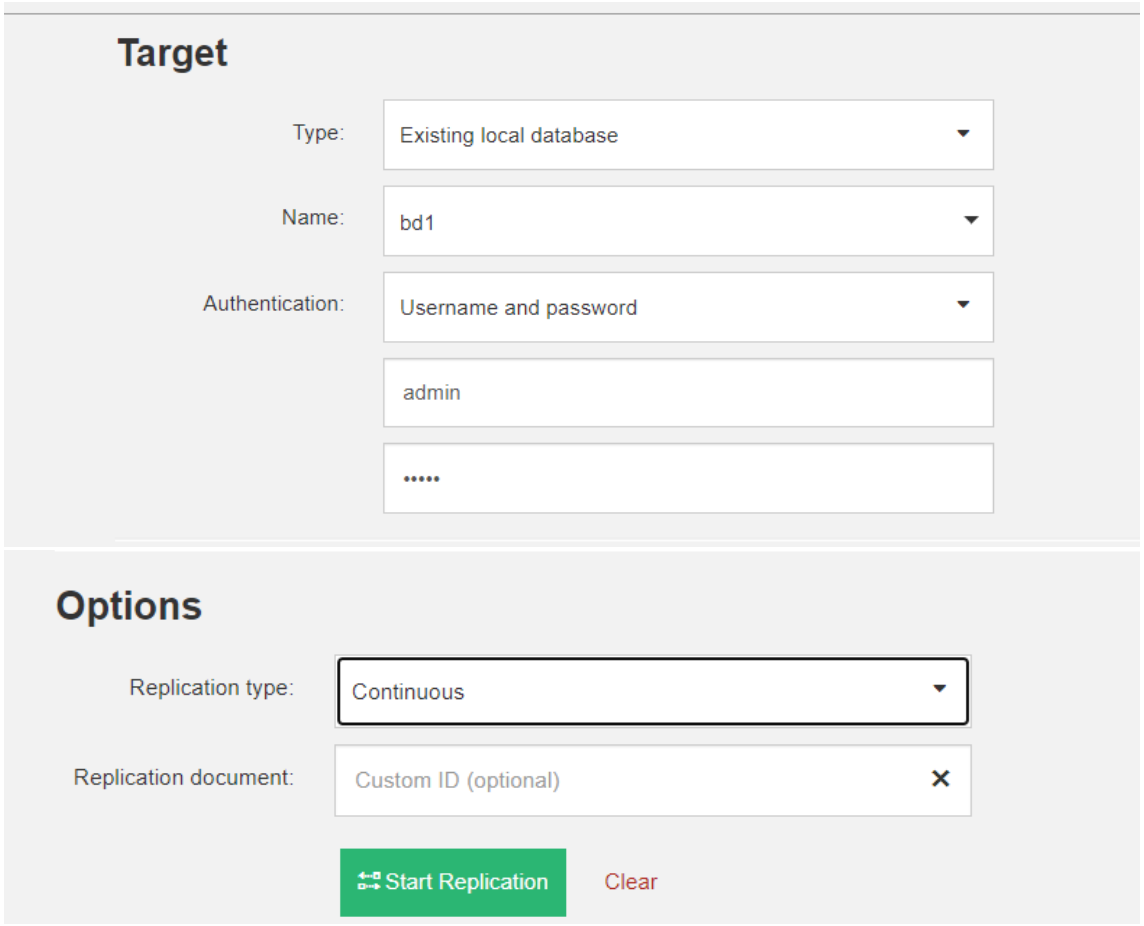

RÉPLICAS

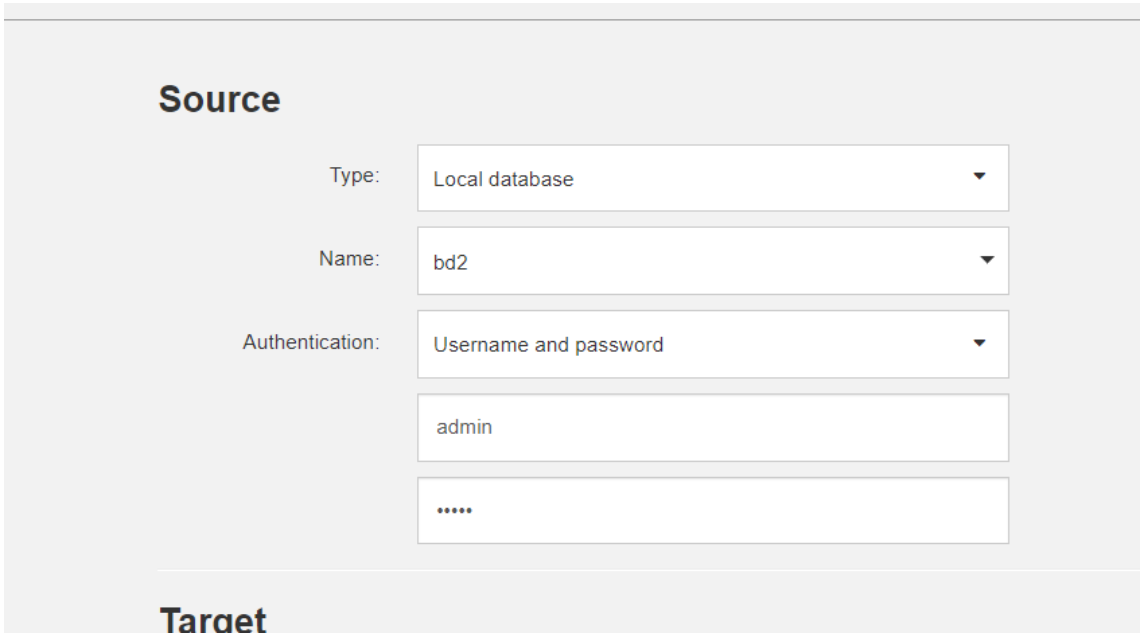
De newyork a newyokr2




Replica realziada satisfactoriamente

De bd2 a bd 1

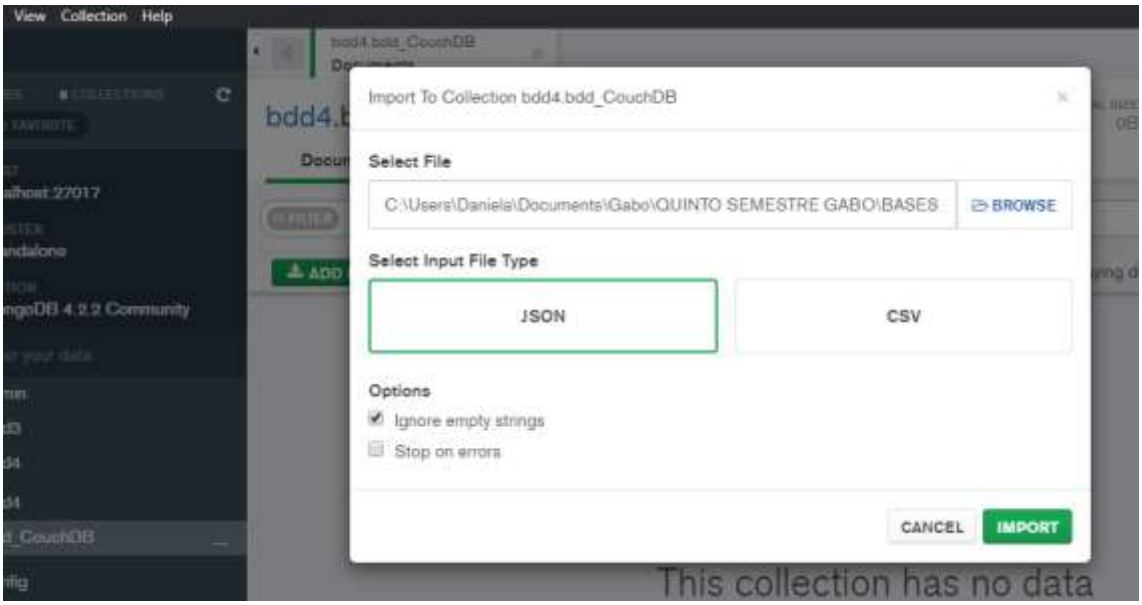

Target
Type:
Existing local database
Name:
bd1
Authentication:
Username and password
admin
•••••
Options
Replication type:
Continuous
Replication document:
Custom ID (optional)
Start Replication
Clear


Source
Type:
Local database
Name:
bd2
Authentication:
Username and password
admin
•••••
Target

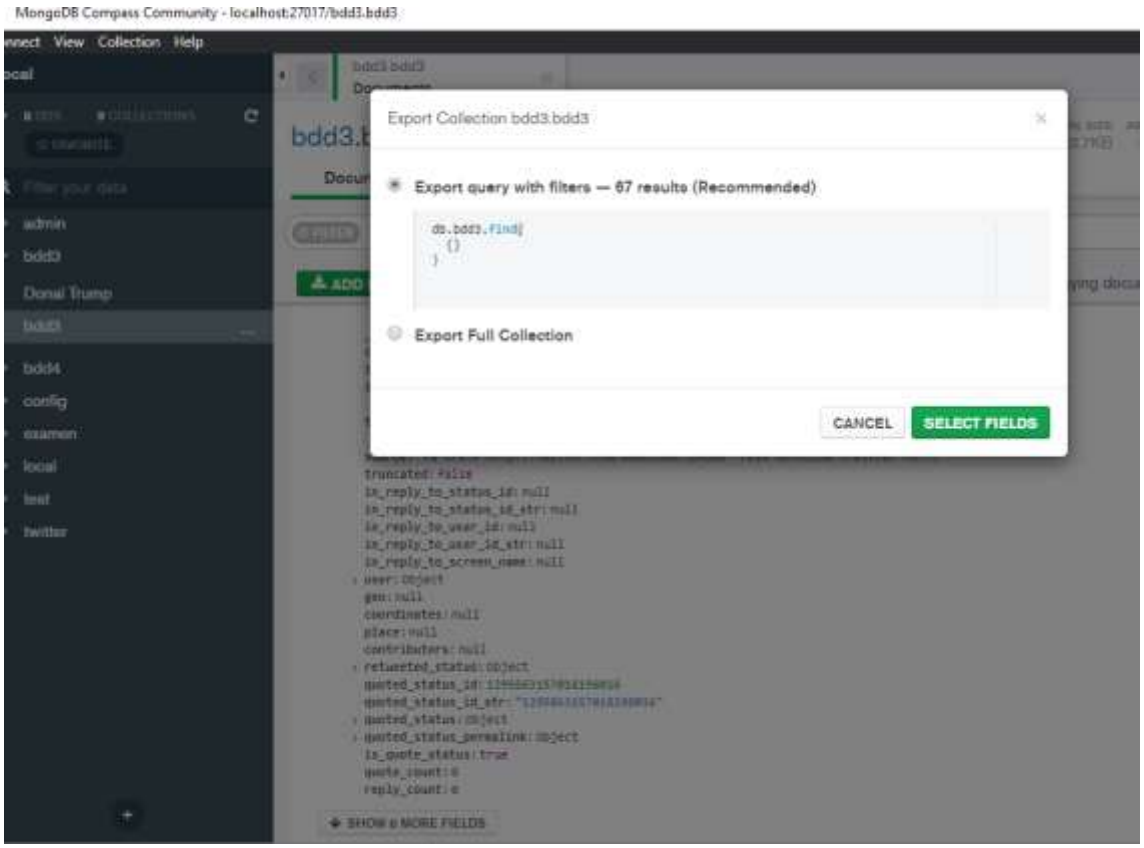
Tdo creado

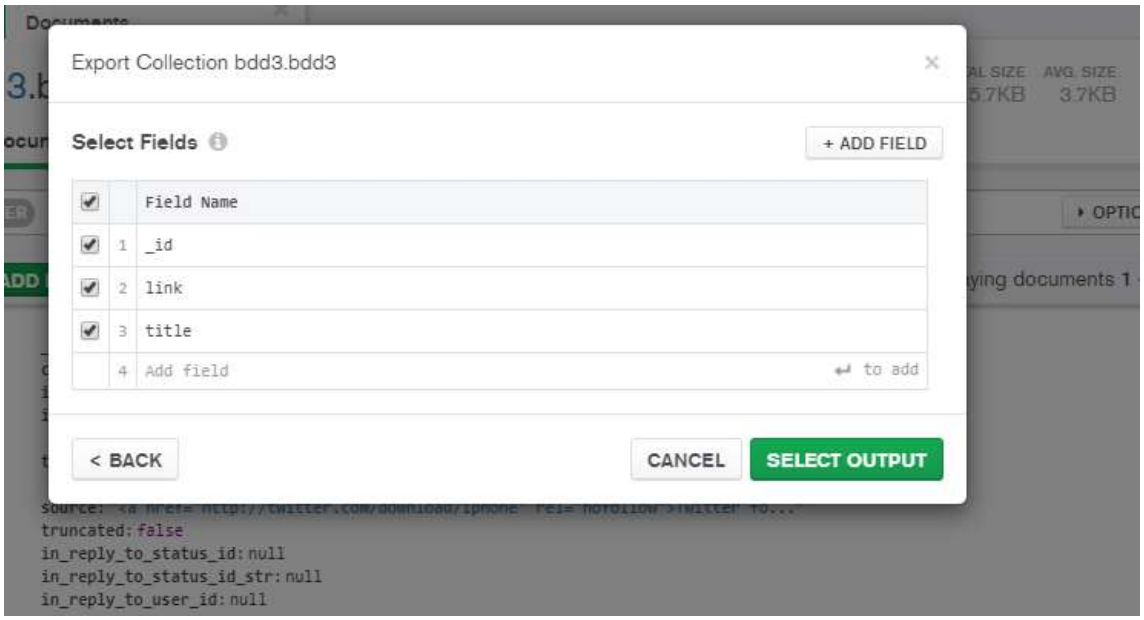
bd1
70.7 KB
29
No
bd2
70.3 KB
29
No

PASAR A UN JSON

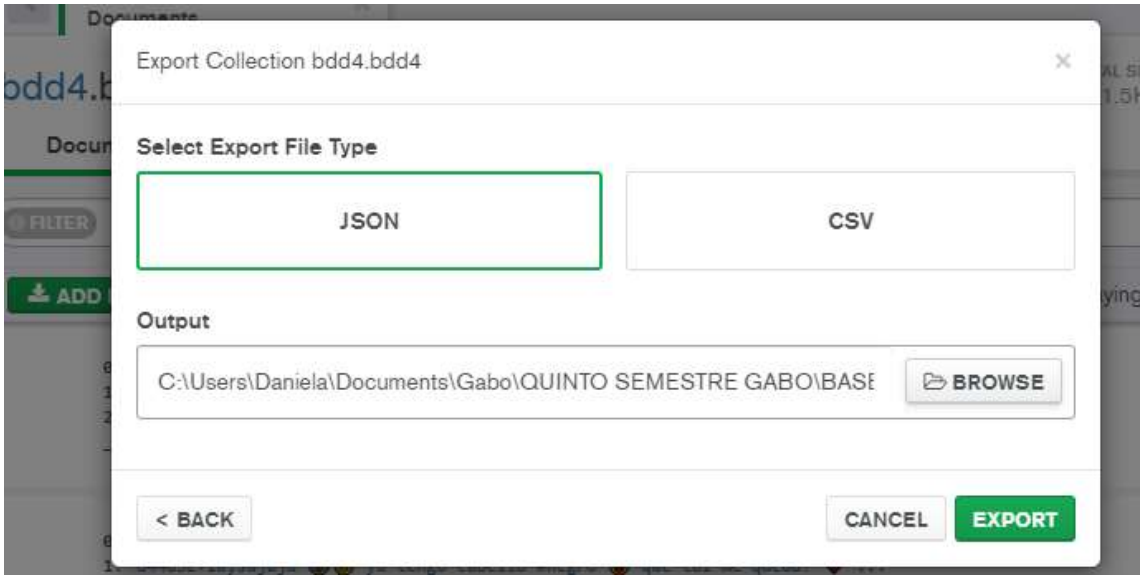



Exportar bdd3



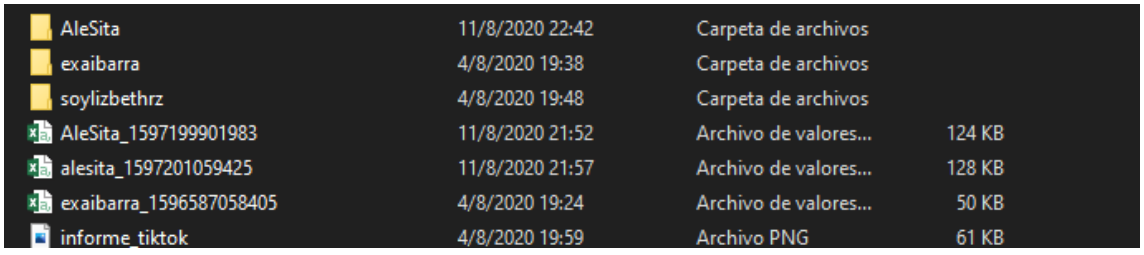

Exportamos bdd4



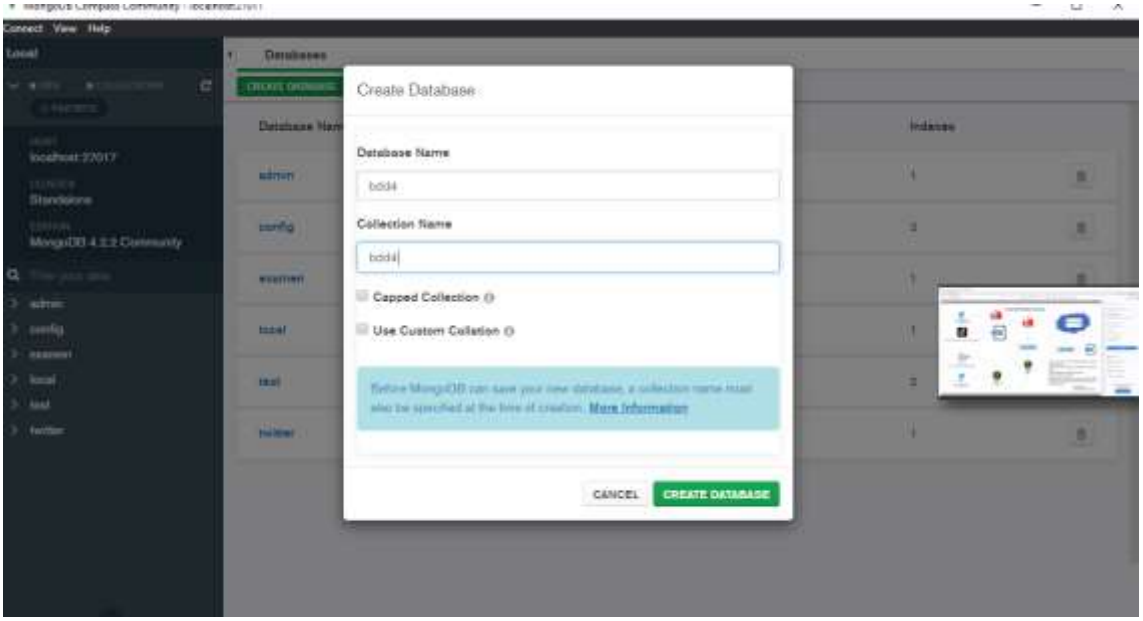

**Post de cualquier usuario tik tok**

**Usuario: AleSita**

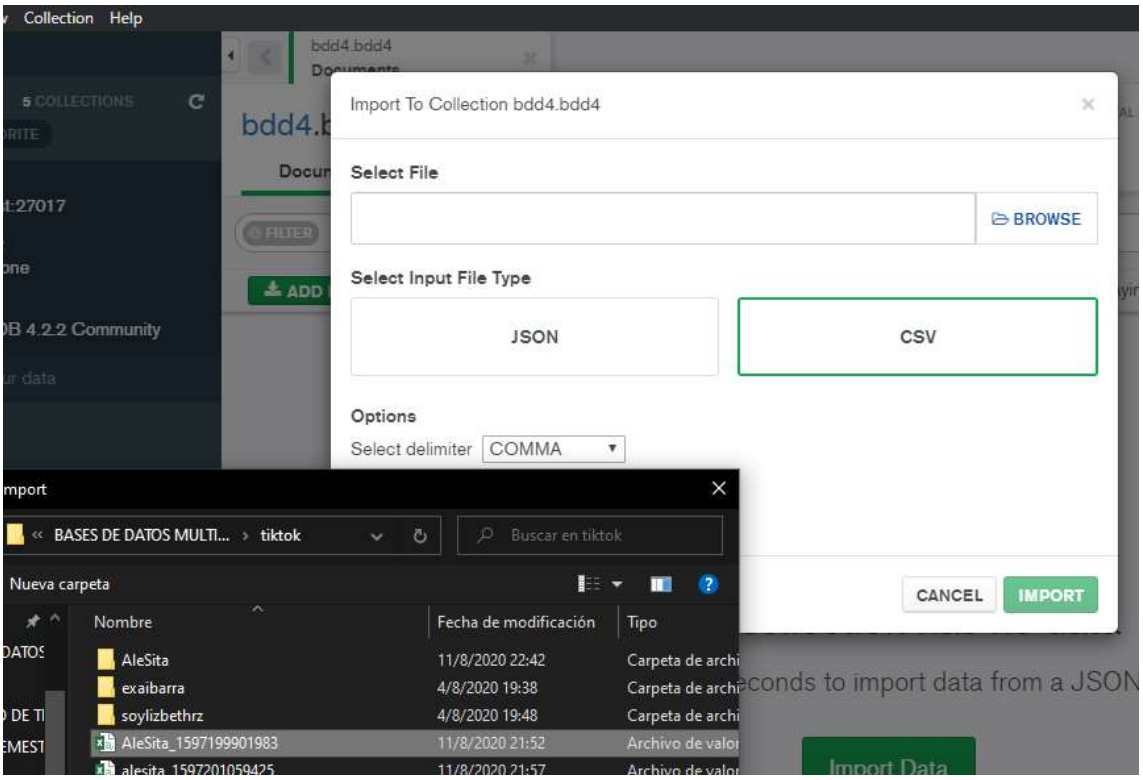
Archivos en csv

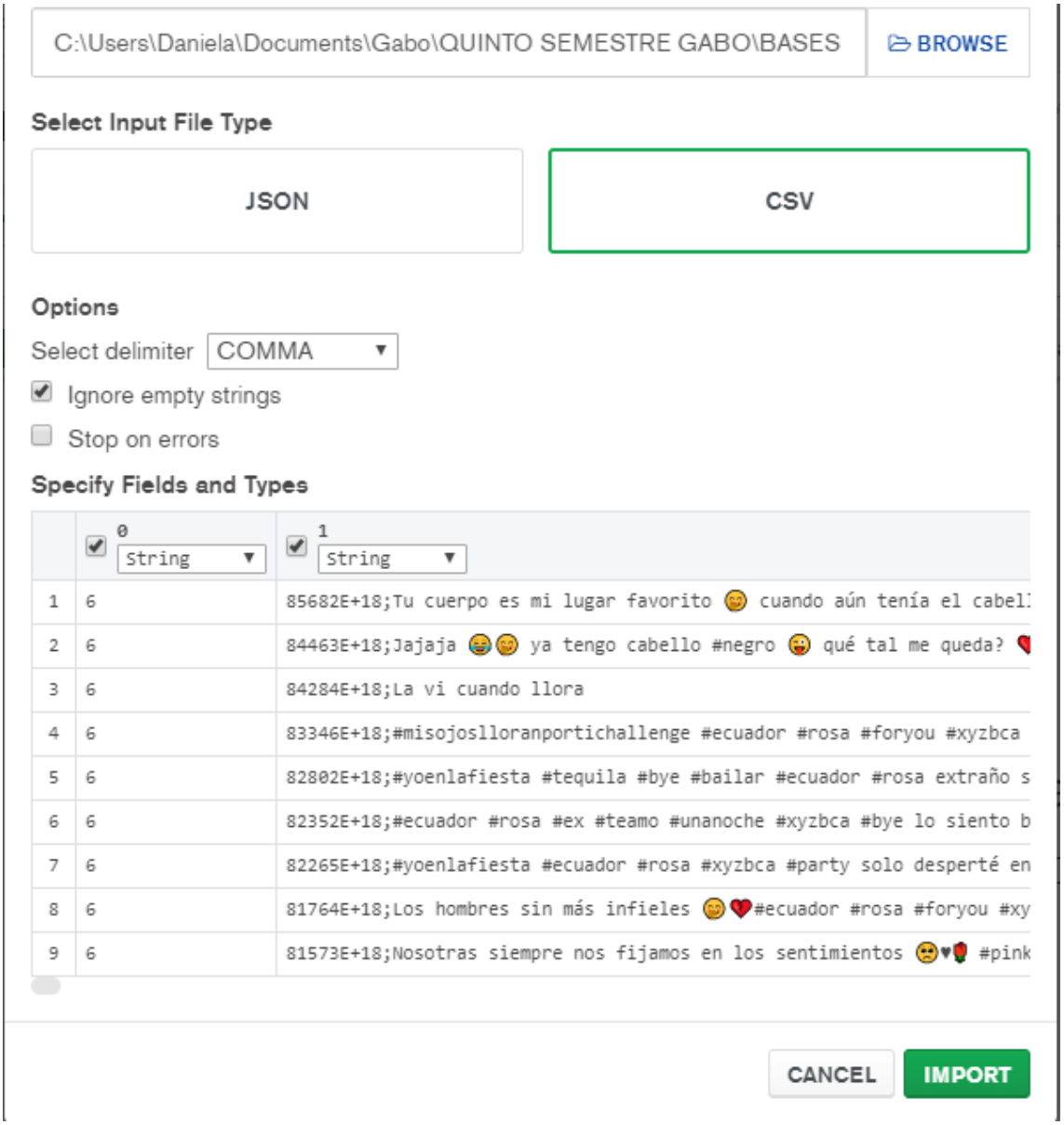



Creación de bdd4 en MongoDb de forma local

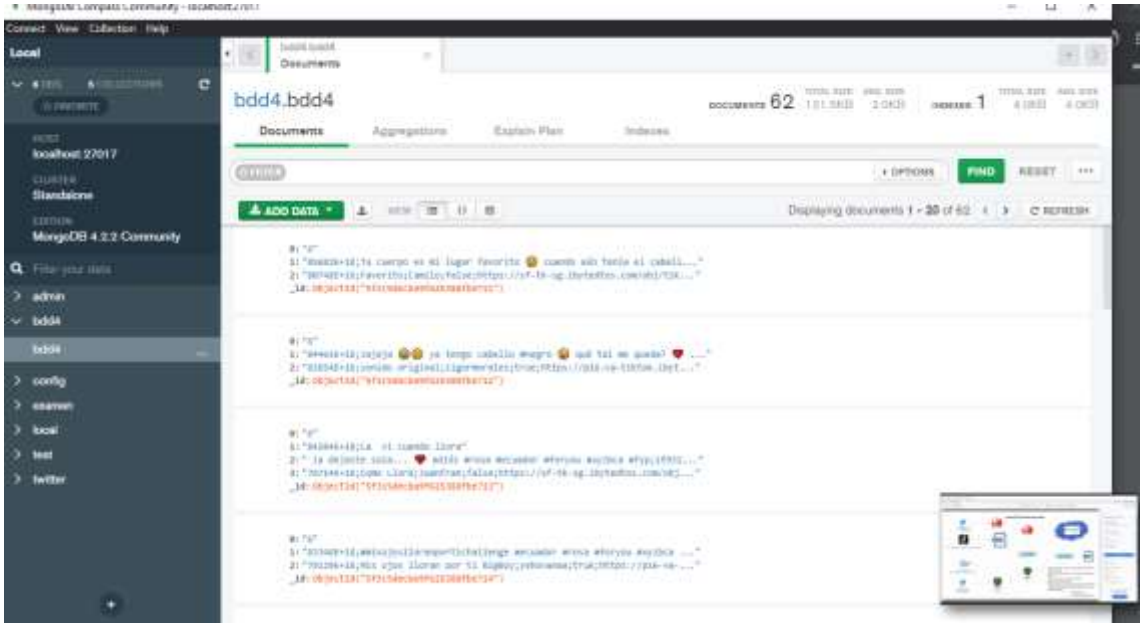

Create Database
Database Name
bdd4
Collection Name
bdd4
Capped Collection
Use Custom Collation
CANCEL
CREATE DATABASE

| | | | | |
|---|---|---|---|---|
| bdd4 | 4.0KB | 1 | 1 | |


Collection Help
bdd4.bdd4
Import To Collection bdd4.bdd4
Select File
BROWSE
Select Input File Type
JSON
CSV
Options
Select delimiter
COMMA
CANCEL
IMPORT
import
BASES DE DATOS MULTI... › tiktok
Buscar en tiktok
Nueva carpeta
Nombre
Fecha de modificación
Tipo
AleSita
11/8/2020 22:42
exaibarra
4/8/2020 19:38
soylizbethrz
4/8/2020 19:48
AleSita_1597199901983
11/8/2020 21:52
Import Data

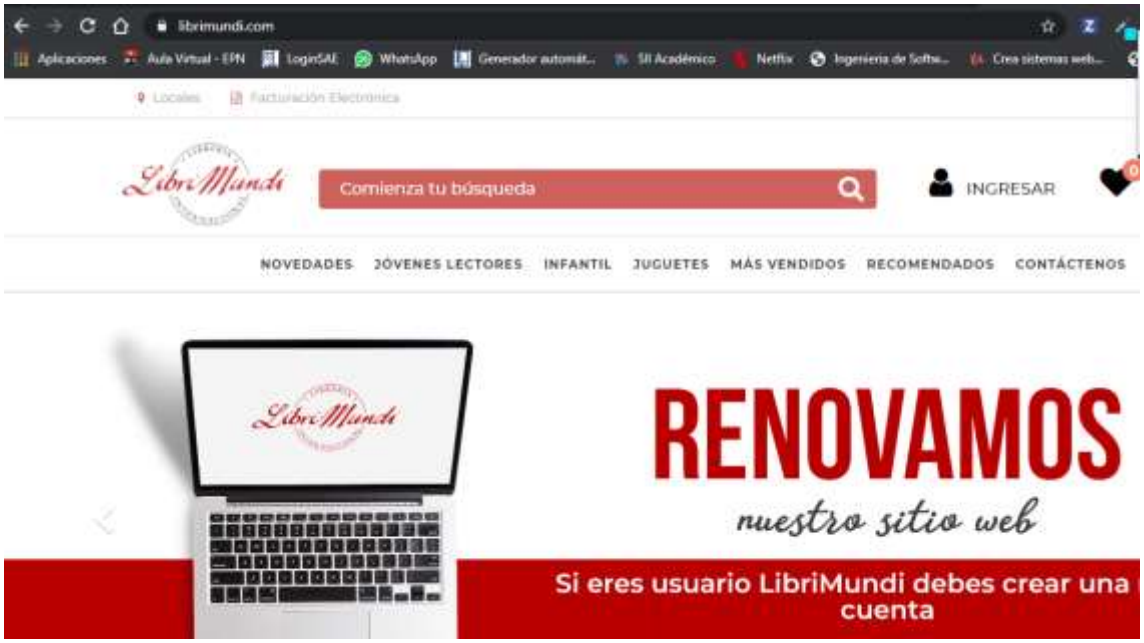

C:\Users\Daniela\Documents\Gabo\QUINTO SEMESTRE GABO\BASES
BROWSE
Select Input File Type
JSON
CSV
Options
Select delimiter COMMA
Ignore empty strings
Stop on errors
Specify Fields and Types
0 String
1 String
1 6 85682E+18;Tu cuerpo es mi lugar favorito cuando aún tenía el cabel
2 6 84463E+18;Jajaja ya tengo cabello #negro qué tal me queda?
3 6 84284E+18;La vi cuando llora
4 6 83346E+18;#misojoslloranportichallenge #ecuador #rosa #foryou #xyzbca
5 6 82802E+18;#yoenlafiesta #tequila #bye #bailar #ecuador #rosa extraño s
6 6 82352E+18;#ecuador #rosa #ex #teamo #unanoche #xyzbca #bye lo siento b
7 6 82265E+18;#yoenlafiesta #ecuador #rosa #xyzbca #party solo desperté en
8 6 81764E+18;Los hombres sin más infieles #ecuador #rosa #foryou #xy
9 6 81573E+18;Nosotras siempre nos fijamos en los sentimientos #pink
CANCEL
IMPORT

Hecho

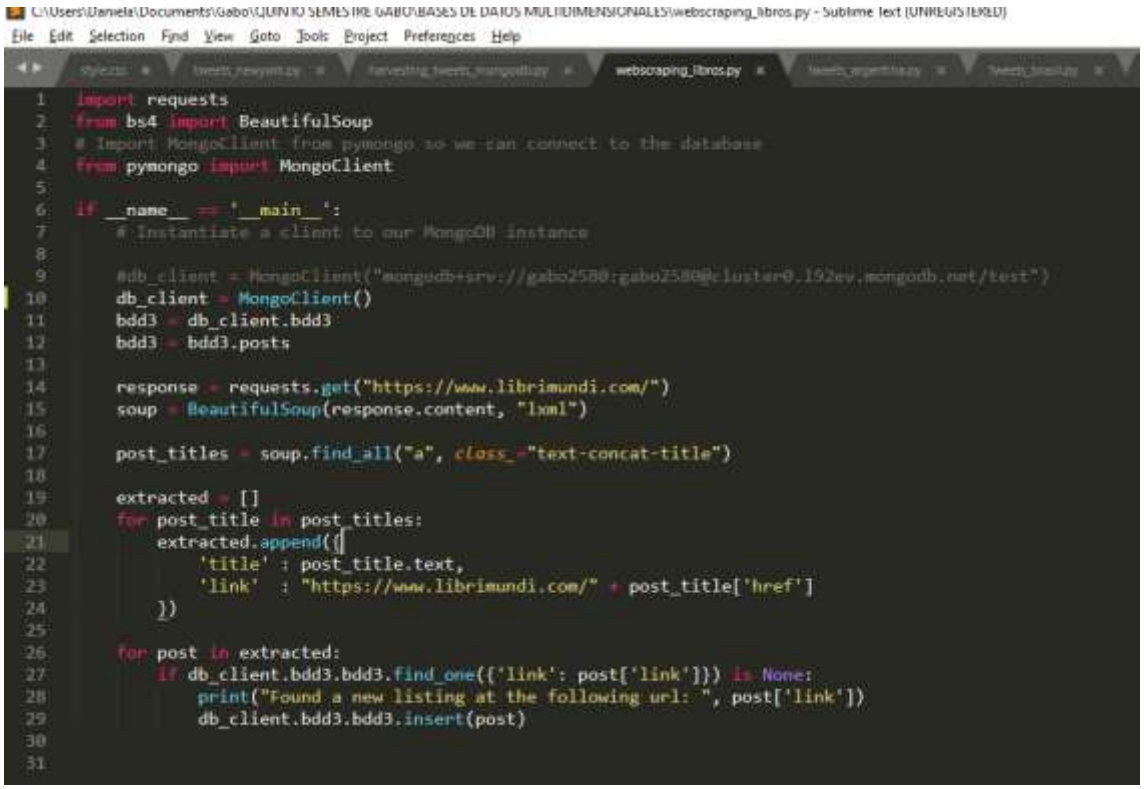



Webscrapping

Página web: [www.librimundi.com](http://www.librimundi.com)

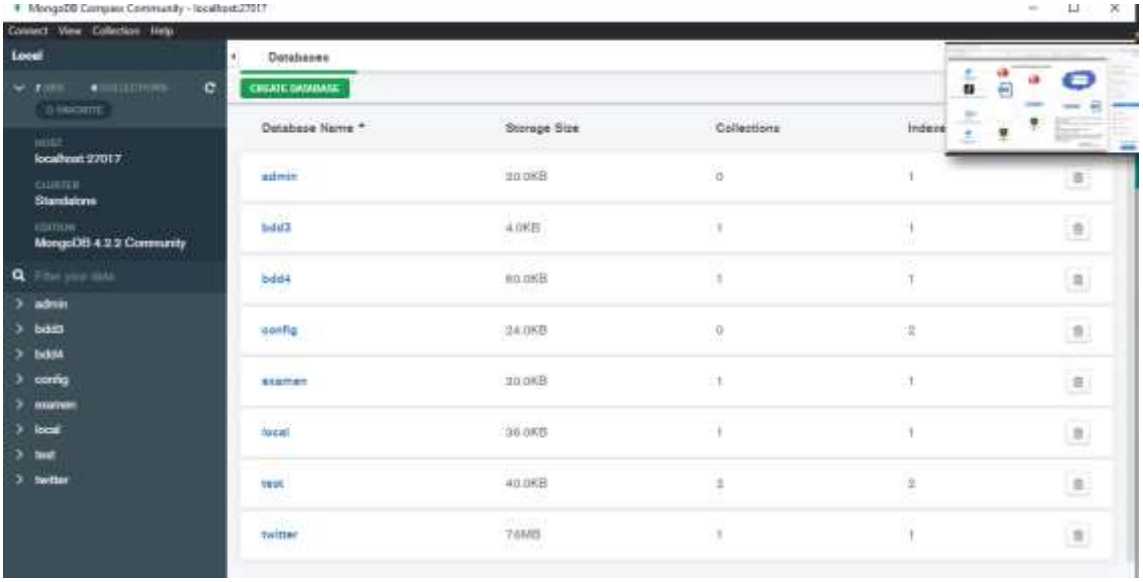


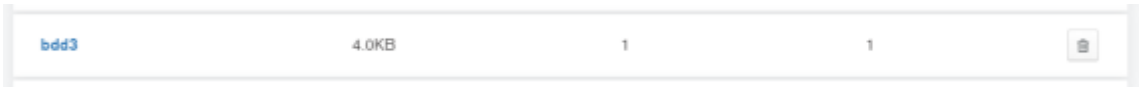
Script:




Corremos el script:

Conexión de forma local, creación de bdd3




Webscrpaing de donal d trump

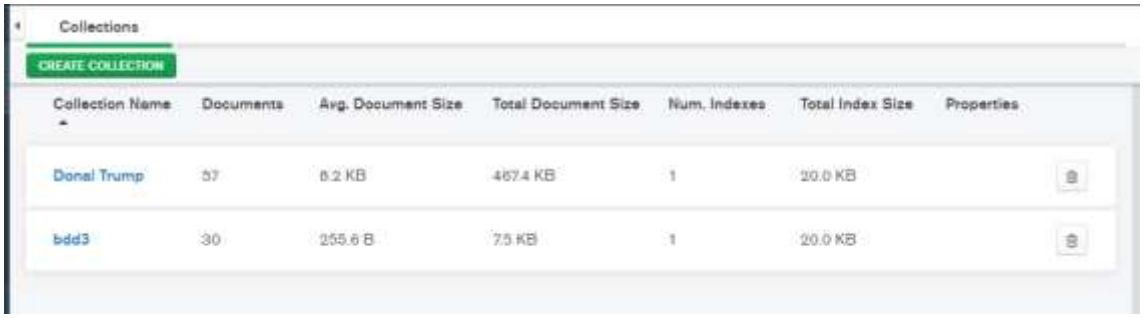
Script:

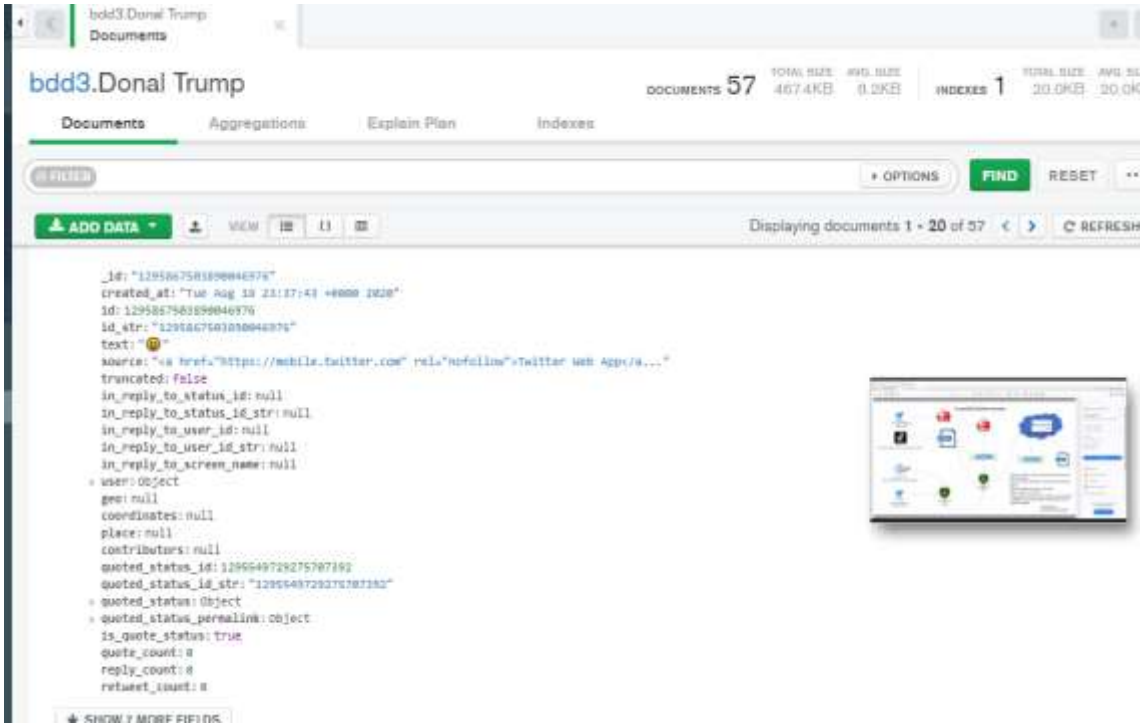
```python
import pymongo
from tweepy import Stream
from tweepy import OAuthHandler
from tweepy.streaming import StreamListener
import json


ckey = "6Zyv4XxVypDqHDpFoHwSTrMzX"
csecret = "3J5TpltHtmEZGEw8RhRLABc3KQ2Quhjj2SVVykfw5zs02fjtpC"
atoken = "153168970-C8H0rPCjztDmLQMrjtgOYSPIzjLMyegrtrAZQQrq"
asecret = "WxWpMOMlghN1tVYZRFugRWTefM1SShLWVI4lL4oPWTAlO"


class listener(StreamListener):

    def on_data(self, data):
        dictTweet = json.loads(data)
        try:
            dictTweet["_id"] = str(dictTweet['id'])
            doc = mycol.insert_one(dictTweet)
            print("SAVED" + str(doc) + "=>" + str(data))
        except:
            print("Already exists")
            pass
        return True

    def on_error(self, status):
        print(status)


auth = OAuthHandler(ckey, csecret)
auth.set_access_token(atoken, asecret)
twitterStream = Stream(auth, listener())
```

```python
            dictTweet["_id"] = str(dictTweet['id'])
            doc = mycol.insert_one(dictTweet)
            print("SAVED" + str(doc) + "=>" + str(data))
        except:
            print("Already exists")
            pass
        return True

    def on_error(self, status):
        print(status)


auth = OAuthHandler(ckey, csecret)
auth.set_access_token(atoken, asecret)
twitterStream = Stream(auth, listener())

'''Mmongo'''

myclient = pymongo.MongoClient("mongodb://localhost:27017")
mydb=myclient["bdd3"]
mycol = mydb["Donal Trump"]

'''===============LOCATIONS==============='''


twitterStream.filter(track=['Donald Trump'])
```

Mandamos a correr el script:

Comprobamos la creació del mismo en la misma base bdd3 pero con el nombre de colección Donal Trump, para diferenciar de la otra colección que ya se creo




Subir al Atlas