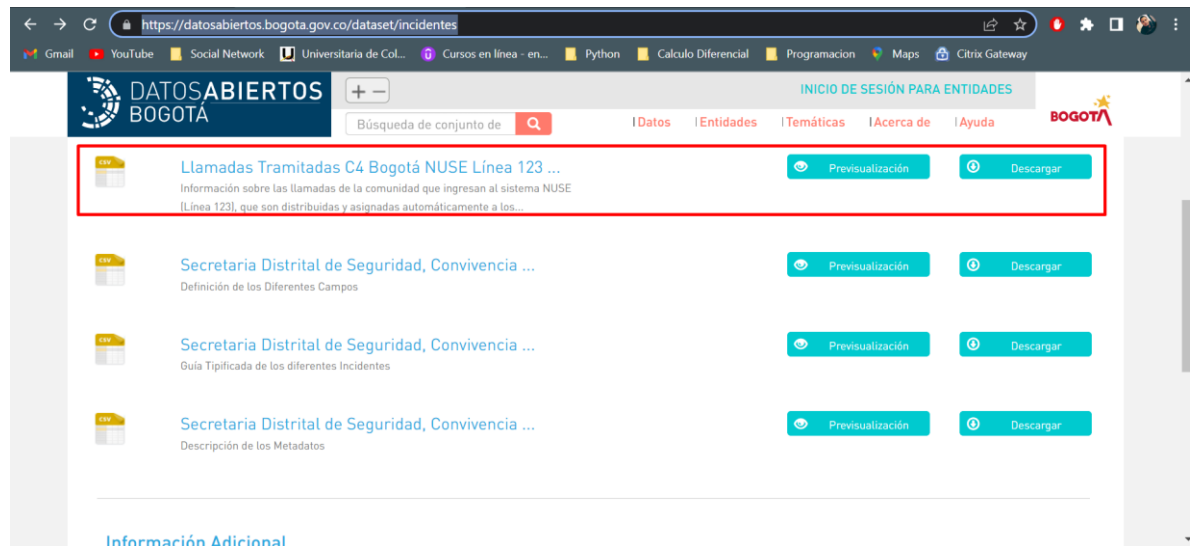


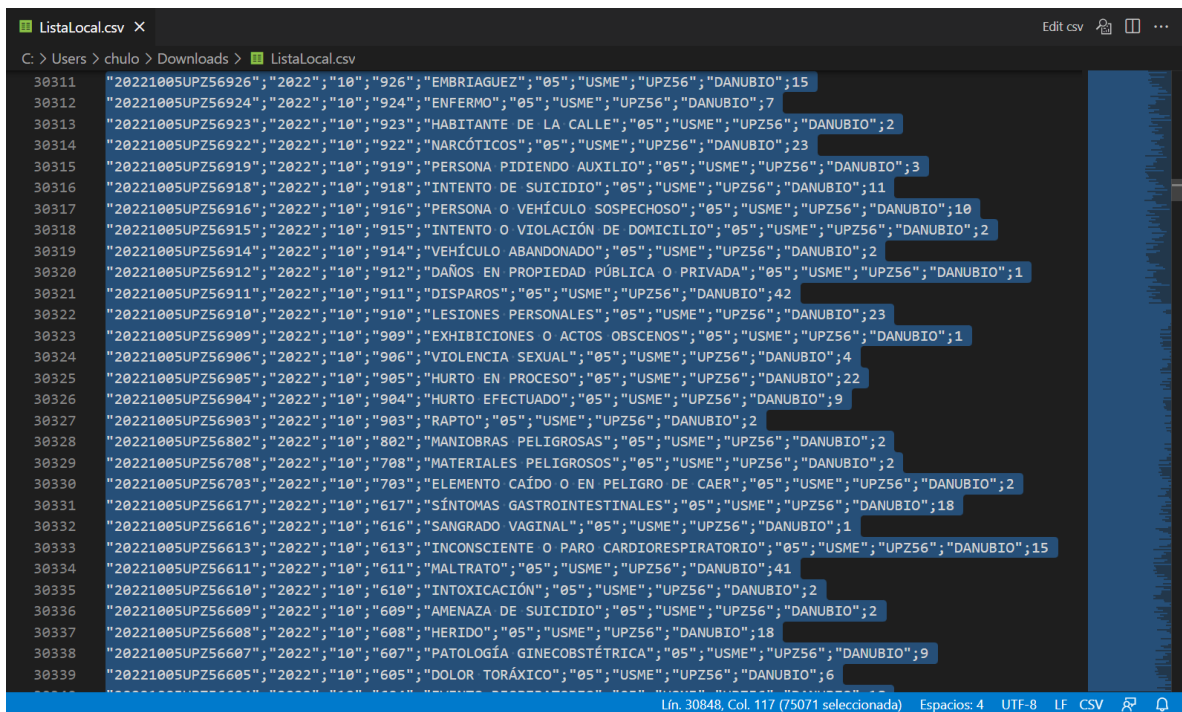
Cargue Json Andres Lievano Restrepo

1. Se descargo un archivo CSV desde la página:

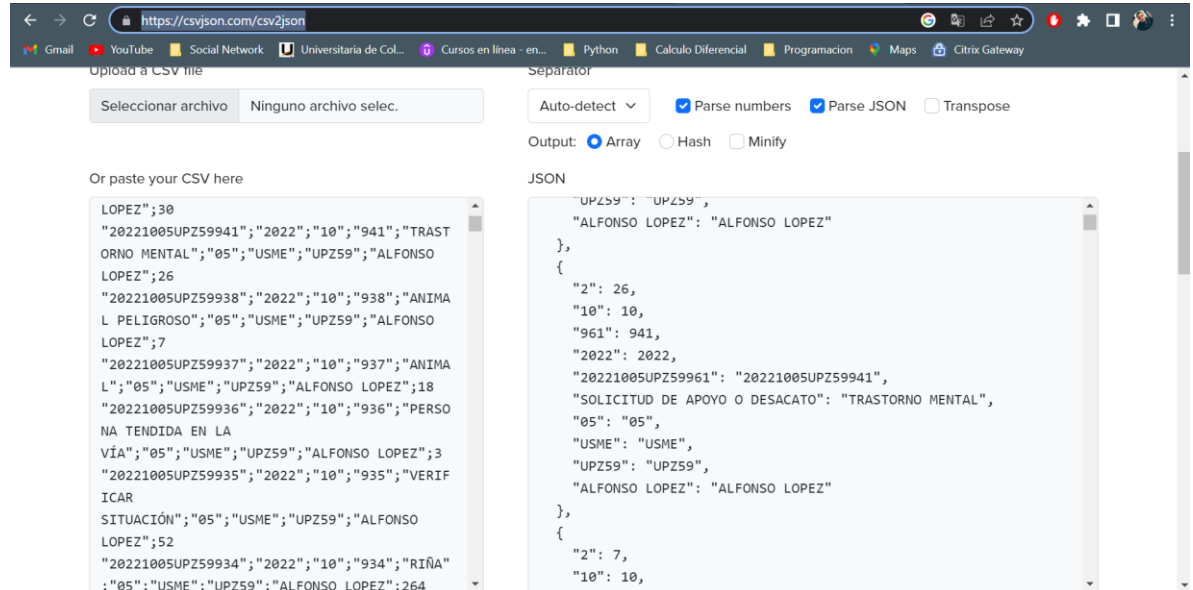
<https://datosabiertos.bogota.gov.co/dataset/incidentes>



2. Se tomo una parte del CSV ya que era muy grande para convertirlo:



3. Se convirtió el CSV a JSON en la página: <https://csvjson.com/csv2json>



4. Se procede a cargar el archivo a MongoDB de la siguiente manera:

```
Microsoft Windows [Versión 10.0.22621.1265]
(c) Microsoft Corporation. Todos los derechos reservados.

C:\Users\chulo>cd..

C:\Users>cd..

C:\>cd mongodb\server\5.0\bin

C:\MongoDB\Server\5.0\bin>mongoimport.exe --db prueba --collection clase --file ListaLocal.json --jsonArray
2023-03-06T20:44:01.366-0500 Failed: open ListaLocal.json: The system cannot find the file specified.
2023-03-06T20:44:01.453-0500 0 document(s) imported successfully. 0 document(s) failed to import.

C:\MongoDB\Server\5.0\bin>mongoimport.exe --db prueba --collection clase --file pruebajson.json --jsonArray
2023-03-06T20:44:16.742-0500 Failed: open pruebajson.json: The system cannot find the file specified.
2023-03-06T20:44:16.767-0500 0 document(s) imported successfully. 0 document(s) failed to import.

C:\MongoDB\Server\5.0\bin>mongoimport.exe --db prueba --collection clase --file C:\MongoDB\dataset\pruebajson.json --jsonArray
2023-03-06T20:44:55.482-0500 connected to: mongodb://localhost/
2023-03-06T20:44:55.575-0500 744 document(s) imported successfully. 0 document(s) failed to import.

C:\MongoDB\Server\5.0\bin>mongoimport.exe --db lenguajes --collection ultima --file C:\MongoDB\dataset\pruebajson2.json --jsonArray
2023-03-06T20:47:42.601-0500 connected to: mongodb://localhost/
2023-03-06T20:47:42.698-0500 744 document(s) imported successfully. 0 document(s) failed to import.

C:\MongoDB\Server\5.0\bin>
```

Se utilizó el comando:

mongoimport.exe --db incidentes --collection bogota --file

C:\MongoDB\dataset\ListaLocal.json --jsonArray

5. Después se procede a iniciar mongo de la siguiente manera:

```
Simbolo del sistema
C:\MongoDB\Server\5.0\bin>mongod.exe --dbpath c:\test\data\db
"mongod.exe" no se reconoce como un comando interno o externo,
programa o archivo por lotes ejecutable.

C:\MongoDB\Server\5.0\bin>mongod.exe --dbpath c:\test\data\db
{"t":{"$date":"2023-03-06T20:29:39.321-05:00"},"s":"I", "c":"NETWORK", "id":4915701, "ctx":"-", "msg":"Initialized wire specification", "attr":{"spec":{"incomingExternalClient":{"minWireVersion":0,"maxWireVersion":13},"incomingInternalClient":{"minWireVersion":0,"maxWireVersion":13},"outgoing":{"minWireVersion":0,"maxWireVersion":13},"isInternalClient":true}}}}
{"t":{"$date":"2023-03-06T20:29:39.758-05:00"},"s":"I", "c":"CONTROL", "id":23285, "ctx":"-", "msg":"Automatically disabling TLS 1.0, to force-enable TLS 1.0 specify --sslDisabledProtocols 'none'"}
{"t":{"$date":"2023-03-06T20:29:39.762-05:00"},"s":"W", "c":"ASIO", "id":22601, "ctx":"thread1", "msg":"No TransportLayer configured during NetworkInterface startup"}
{"t":{"$date":"2023-03-06T20:29:39.762-05:00"},"s":"I", "c":"NETWORK", "id":4648602, "ctx":"thread1", "msg":"Implicit TCP FastOpen enabled during NetworkInterface startup"}
{"t":{"$date":"2023-03-06T20:29:39.764-05:00"},"s":"W", "c":"ASIO", "id":22601, "ctx":"thread1", "msg":"No TransportLayer configured during NetworkInterface startup"}
{"t":{"$date":"2023-03-06T20:29:39.764-05:00"},"s":"I", "c":"REPL", "id":5123008, "ctx":"thread1", "msg":"Successfully registered PrimaryOnlyService", "attr":{"service":"TenantMigrationDonorService","ns":"config.tenantMigrationDonors"}}
{"t":{"$date":"2023-03-06T20:29:39.765-05:00"},"s":"I", "c":"REPL", "id":5123008, "ctx":"thread1", "msg":"Successfully registered PrimaryOnlyService", "attr":{"service":"TenantMigrationRecipientService","ns":"config.tenantMigrationRecipients"}}
{"t":{"$date":"2023-03-06T20:29:39.765-05:00"},"s":"I", "c":"CONTROL", "id":5945603, "ctx":"thread1", "msg":"Multi threading initialized"}
{"t":{"$date":"2023-03-06T20:29:39.767-05:00"},"s":"I", "c":"CONTROL", "id":4615611, "ctx":"initandlisten", "msg":"MongoDB starting", "attr":{"pid":10768,"port":27017,"dbPath":"c:/test/data/db","architecture":"64-bit","host":"PORTATIL-ANDRES"}}
{"t":{"$date":"2023-03-06T20:29:39.767-05:00"},"s":"I", "c":"CONTROL", "id":23398, "ctx":"initandlisten", "msg":"Target operating system minimum version", "attr":{"targetMinOS":"Windows 7/Windows Server 2008 R2"}}
{"t":{"$date":"2023-03-06T20:29:39.767-05:00"},"s":"I", "c":"CONTROL", "id":23403, "ctx":"initandlisten", "msg":"Build Info", "attr":{"buildInfo":{"version":"5.0.15","gitVersion":"935639beed3d0c19c2551c93854b831107c0b118","modules":[],"allocator":"tcmalloc","environment":{"distmod":"windows","distarch":"x86_64","target_arch":"x86_64"}}}}
{"t":{"$date":"2023-03-06T20:29:39.767-05:00"},"s":"I", "c":"CONTROL", "id":51765, "ctx":"initandlisten", "msg":"Operating System", "attr":{"os":{"name":"Microsoft Windows 10","version":"10.0 (build 22621)"}}}
{"t":{"$date":"2023-03-06T20:29:39.767-05:00"},"s":"I", "c":"CONTROL", "id":21951, "ctx":"initandlisten", "msg":"Options set by co
```

Se utilizó el comando:

```
mongod.exe --dbpath c:\test\data\db
```

6. Se realizaron 4 consultas:

```
> db.bogota.findOne({"COD_UPZ": "UPZ42"})
{
  "_id" : ObjectId("6402a878a88f418d1c7826b7"),
  "ID" : "20230106UPZ42VHMALE",
  "ANIO" : 2023,
  "MES" : "01",
  "TIPO_INCIDENTE" : "VHMALE",
  "TIPO_DETALLE" : "VEHÍCULO MAL ESTACIONADO",
  "COD_LOCALIDAD" : "06",
  "LOCALIDAD" : "TUNJUELITO",
  "COD_UPZ" : "UPZ42",
  "UPZ" : "VENECIA",
  "CANT_INCIDENTES" : 32
}
```

```
db.bogota.findOne({"COD_UPZ": "UPZ42"})
```

```

}
> db.bogota.find().sort({"COD_UPZ":1}).pretty()
{
  "_id" : ObjectId("6402a878a88f418d1c781d72"),
  "ID" : "20230111UPR1937",
  "ANIO" : 2023,
  "MES" : "01",
  "TIPO_INCIDENTE" : 937,
  "TIPO_DETALLE" : "ANIMAL",
  "COD_LOCALIDAD" : 11,
  "LOCALIDAD" : "SUBA",
  "COD_UPZ" : "UPR1",
  "UPZ" : "UPR ZONA NORTE",
  "CANT_INCIDENTES" : 1
}
{
  "_id" : ObjectId("6402a878a88f418d1c781d73"),
  "ID" : "20230111UPR1938",
  "ANIO" : 2023,
  "MES" : "01",
  "TIPO_INCIDENTE" : 938,
  "TIPO_DETALLE" : "ANIMAL PELIGROSO",
  "COD_LOCALIDAD" : 11,
  "LOCALIDAD" : "SUBA",
  "COD_UPZ" : "UPR1",
  "UPZ" : "UPR ZONA NORTE",
  "CANT_INCIDENTES" : 1
}
{
  "_id" : ObjectId("6402a878a88f418d1c781d74"),
  "ID" : "20230111UPR1942",
  "ANIO" : 2023,

```

db.bogota.find().sort({"COD\_UPZ":1}).pretty()

```

> db.bogota.find().limit(2).pretty()
{
  "_id" : ObjectId("6402a878a88f418d1c781178"),
  "ID" : "20230199UPZ999978",
  "ANIO" : 2023,
  "MES" : "01",
  "TIPO_INCIDENTE" : 978,
  "TIPO_DETALLE" : "HALLAZGO DE EXPLOSIVOS",
  "COD_LOCALIDAD" : 99,
  "LOCALIDAD" : "SIN LOCALIZACION",
  "COD_UPZ" : "UPZ999",
  "UPZ" : "SIN LOCALIZACION",
  "CANT_INCIDENTES" : 1
}
{
  "_id" : ObjectId("6402a878a88f418d1c781179"),
  "ID" : "20230199UPZ999976",
  "ANIO" : 2023,
  "MES" : "01",
  "TIPO_INCIDENTE" : 976,
  "TIPO_DETALLE" : "EXTRAVIADO O DESAPARECIDO",
  "COD_LOCALIDAD" : 99,
  "LOCALIDAD" : "SIN LOCALIZACION",
  "COD_UPZ" : "UPZ999",
  "UPZ" : "SIN LOCALIZACION",
  "CANT_INCIDENTES" : 19
}
> |

```

db.bogota.find().limit(2).pretty()

```
> db.bogota.findOne()
{
  "_id" : ObjectId("6402a878a88f418d1c781178"),
  "ID" : "20230199UPZ999978",
  "ANIO" : 2023,
  "MES" : "01",
  "TIPO_INCIDENTE" : 978,
  "TIPO_DETALLE" : "HALLAZGO DE EXPLOSIVOS",
  "COD_LOCALIDAD" : 99,
  "LOCALIDAD" : "SIN LOCALIZACION",
  "COD_UPZ" : "UPZ999",
  "UPZ" : "SIN LOCALIZACION",
  "CANT_INCIDENTES" : 1
}
>
```

db.bogota.findOne()