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Ingresa a la página <https://www.datos.gov.co/> para buscar los datos

Se descargan los datos de SECOP II – Becas en el exterior para colombianos

The screenshot shows the Datos.gov.co website. The header includes the logo and navigation links. The main content area displays the dataset 'Becas en el exterior para colombianos' under the 'Educación' category. It provides a brief description: 'Información histórica de beneficiarios colombianos en el exterior de convocatorias a partir del año 2018 agrupadas por diferentes variables.' The dataset is updated on '20 de septiembre de 2022' and was provided by 'Icetex'. A table titled 'Información sobre este conjunto de datos' lists metadata and entity information.

Información sobre este conjunto de datos	
Actualizado	20 de septiembre de 2022
Última actualización de los datos	20 de septiembre de 2022
Última actualización de metadatos	20 de septiembre de 2022
Información de la Entidad	
Área o dependencia	Oficina de Relaciones Internacionales ORI - ICETEX
Nombre de la Entidad	Instituto Colombiano de Crédito Educativo y Estudios Técnicos en el Exterior Mariano Ospina Pérez
Departamento	Bogotá D.C.
Municipio	Bogotá D.C.
Orden	Internacional

Se convierte esa base CSV a formato JSON

The screenshot shows the csv2json.com website. The header includes the logo and navigation links. The main content area displays the 'CSV or TSV > JSON' conversion tool. It provides instructions on how to use the tool and shows the input CSV data and the resulting JSON output.

CSV or TSV > JSON

To get started, upload or paste your data from Excel (saved as CSV or TSV).

Upload a CSV file

Seleccionar archivo Ninguno archivo selec.

Or paste your CSV here

```
31 - 35
AÑOS,5,No,No,España,Maestría,Presencial,2021,Femenin
o
21 - 25
AÑOS,3,Si,No,España,Maestría,Presencial,2021,Masculi
no
36 - MÁS
AÑOS,4,No,No,España,Maestría,Presencial,2021,Masculi
no
21 - 25
AÑOS,3,No,No,España,Maestría,Presencial,2021,femenin
o
26 - 30
AÑOS,4,No,No,España,Maestría,Presencial,2021,femenin
o
31 - 35
```

Separator

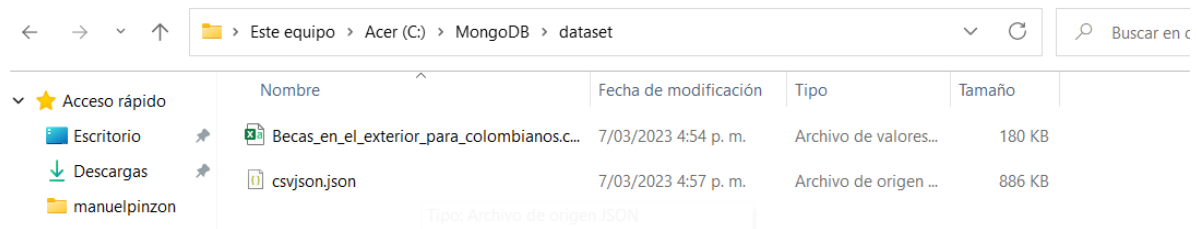
Auto-detect ☒ Parse numbers ☒ Parse JSON ☐ Transpose

Output: ☒ Array ☐ Hash ☐ Minify

JSON

```
[
{
  "RANGO DE EDAD": "31 - 35 AÑOS",
  "ESTRATO SOCIOECONOMICO DE RESIDENCIA": 5,
  "PERTENECE A MINORIA": "No",
  "TIENE DISCAPACIDAD": "No",
  "PAÍS DE DESTINO": "España",
  "NIVEL ACADÉMICO": "Maestría",
  "MODALIDAD": "Presencial",
  "AÑO SELECCIÓN": 2021,
  "Género": "Femenino"
},
{
  "RANGO DE EDAD": "21 - 25 AÑOS",
  "ESTRATO SOCIOECONOMICO DE RESIDENCIA": 3,
```

Se descarga y se mueve a la ruta del dataset de mongo



Se abre la consola y se ingresa desde allí donde esta el mongod.exe y se ejecuta con el siguiente código:

```
C:\MongoDB\Server\5.0\bin>mongod.exe --dbpath c:\test\data\db
```

```
C:\Users\Manuel>cd ..
C:\Users>cd..
C:\>cd..
C:\>cd MongoDB/server/5.0/data
C:\MongoDB\Server\5.0\data>cd..
C:\MongoDB\Server\5.0>cd bin
C:\MongoDB\Server\5.0\bin>mongod.exe --dbpath c:\test\data\db
{"t":{"$date":"2023-03-07T20:15:09.258-06:00"},"s":"I", "c":"NETWORK", "id":4915701, "ctx":"thread1","msg":"Initialize
d wire specification","attr":{"spec":{"incomingExternalClient":{"minWireVersion":0,"maxWireVersion":13},"incomingIntern
alClient":{"minWireVersion":0,"maxWireVersion":13},"outgoing":{"minWireVersion":0,"maxWireVersion":13},"isInternalClient"
:true}}}}
{"t":{"$date":"2023-03-07T20:15:09.261-06:00"},"s":"I", "c":"CONTROL", "id":23285, "ctx":"thread1","msg":"Automatica
lly disabling TLS 1.0, to force-enable TLS 1.0 specify --sslDisabledProtocols 'none'"}
{"t":{"$date":"2023-03-07T20:15:09.263-06:00"},"s":"W", "c":"ASIO", "id":22601, "ctx":"thread1","msg":"No Transpo
rtLayer configured during NetworkInterface startup"}
{"t":{"$date":"2023-03-07T20:15:09.264-06:00"},"s":"I", "c":"NETWORK", "id":4648602, "ctx":"thread1","msg":"Implicit T
CP FastOpen in use."}
{"t":{"$date":"2023-03-07T20:15:09.269-06:00"},"s":"W", "c":"ASIO", "id":22601, "ctx":"thread1","msg":"No Transpo
rtLayer configured during NetworkInterface startup"}
{"t":{"$date":"2023-03-07T20:15:09.269-06:00"},"s":"I", "c":"REPL", "id":5123008, "ctx":"thread1","msg":"Successful
ly registered PrimaryOnlyService","attr":{"service":"TenantMigrationDonorService","ns":"config.tenantMigrationDonors"}}
{"t":{"$date":"2023-03-07T20:15:09.269-06:00"},"s":"I", "c":"REPL", "id":5123008, "ctx":"thread1","msg":"Successful
ly registered PrimaryOnlyService","attr":{"service":"TenantMigrationRecipientService","ns":"config.tenantMigrationRecipi
ents"}}
```

En otra consola se sube el archivo JSON anteriormente descargado

```
C:\MongoDB\Server\5.0\bin>mongo.exe
```

```

C:\Users\Manuel>cd ..

C:\Users>cd ..

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

C:\MongoDB\Server\5.0\bin>mongo.exe
MongoDB shell version v5.0.15
connecting to: mongodb://127.0.0.1:27017/?compressors=disabled&gssapiServiceName=mongodb
implicit session: session { "id" : UUID("ddeb69f4-e0ab-4ce6-a3f2-84c20840dedb") }
MongoDB server version: 5.0.15
=====
Warning: the "mongo" shell has been superseded by "mongosh",
which delivers improved usability and compatibility. The "mongo" shell has been deprecated and will be removed in
an upcoming release.
For installation instructions, see
https://docs.mongodb.com/mongodb-shell/install/
=====
--
The server generated these startup warnings when booting:
  2023-03-06T20:17:01.715-06:00: Access control is not enabled for the database. Read and write access to data and
configuration is unrestricted
--
--
  Enable MongoDB's free cloud-based monitoring service, which will then receive and display
metrics about your deployment (disk utilization, CPU, operation statistics, etc).

  The monitoring data will be available on a MongoDB website with a unique URL accessible to you
and anyone you share the URL with. MongoDB may use this information to make product

```

primero visualizamos los conjuntos con SHOW DBS

```

> show dbs
admin    0.000GB
config  0.000GB
local    0.000GB
> _

```

Subir el archivo JSON y creamos la base de datos con sus colecciones

```

C:\MongoDB\Server\5.0\bin>mongoimport.exe --db manuel --collection manuelpinzon --file C:\mongodb\dataset\becas.json --jsonArray
2023-03-07T20:57:48.537-0600    connected to: mongodb://localhost/
2023-03-07T20:57:51.540-0600    [#####.....] manuel.manuelpinzon 319KB/886KB (36.1%)
2023-03-07T20:57:52.215-0600    [#####] manuel.manuelpinzon 886KB/886KB (100.0%)
2023-03-07T20:57:52.216-0600    2871 document(s) imported successfully. 0 document(s) failed to import.

C:\MongoDB\Server\5.0\bin>

```

Volvemos a ejecutar el mongo y visualizamos las colecciones

```
C:\MongoDB\Server\5.0\bin>mongo.exe
MongoDB shell version v5.0.15
connecting to: mongodb://127.0.0.1:27017/?compressors=disabled&gssapiServiceName=mongodb
Implicit session: session { "id" : UUID("c5d80e94-2827-4434-b307-a06b12b4d88f") }
MongoDB server version: 5.0.15
=====
Warning: the "mongo" shell has been superseded by "mongosh",
which delivers improved usability and compatibility. The "mongo" shell has been deprecated and will be removed in
an upcoming release.
For installation instructions, see
https://docs.mongodb.com/mongodb-shell/install/
=====
---
The server generated these startup warnings when booting:
  2023-03-06T20:17:01.715-06:00: Access control is not enabled for the database. Read and write access to data and configuration is unrestricted
---
---
  Enable MongoDB's free cloud-based monitoring service, which will then receive and display metrics about your deployment (disk utilization, CPU, operation statistics, etc).

  The monitoring data will be available on a MongoDB website with a unique URL accessible to you and anyone you share the URL with. MongoDB may use this information to make product improvements and to suggest MongoDB products and deployment options to you.

  To enable free monitoring, run the following command: db.enableFreeMonitoring()
  To permanently disable this reminder, run the following command: db.disableFreeMonitoring()
---
> show bds
uncaught exception: Error: don't know how to show [bds] :
shellHelper.show@src/mongo/shell/utils.js:1211:11
shellHelper@src/mongo/shell/utils.js:838:15
@(shellhelp2):1:1
> show dbs
admin      0.000GB
config     0.000GB
local      0.000GB
manuelp    0.000GB
```

Se incluyó Manuelp ahora entramos a la Colección con use manuelp y show collection

```
> use manuelp
switched to db manuelp
> show collections
manuelpinzo
```

Se proceden con las búsquedas

```

> db.manuelpinzon.findOne()
{
  "_id" : ObjectId("6407f9ac61b324ec670f777f"),
  "RANGO DE EDAD" : "36 - MÁS AÑOS",
  "ESTRATO SOCIOECONOMICO DE RESIDENCIA" : 1,
  "PERTENECE A MINORIA" : "No",
  "TIENE DISCAPACIDAD" : "No",
  "PAÍS DE DESTINO" : "España",
  "NIVEL ACADÉMICO" : "Maestría",
  "MODALIDAD" : "Presencial",
  "AÑO SELECCIÓN" : 2021,
  "Género" : "Masculino"
}
>

```

Con .pretty() muestra de manera organizada los resultados

```

> db.manuelpinzon.find().pretty()
{
  "_id" : ObjectId("6407f9ac61b324ec670f777f"),
  "RANGO DE EDAD" : "36 - MÁS AÑOS",
  "ESTRATO SOCIOECONOMICO DE RESIDENCIA" : 1,
  "PERTENECE A MINORIA" : "No",
  "TIENE DISCAPACIDAD" : "No",
  "PAÍS DE DESTINO" : "España",
  "NIVEL ACADÉMICO" : "Maestría",
  "MODALIDAD" : "Presencial",
  "AÑO SELECCIÓN" : 2021,
  "Género" : "Masculino"
}
{
  "_id" : ObjectId("6407f9ac61b324ec670f7780"),
  "RANGO DE EDAD" : "26 - 30 AÑOS",
  "ESTRATO SOCIOECONOMICO DE RESIDENCIA" : 2,
  "PERTENECE A MINORIA" : "No",
  "TIENE DISCAPACIDAD" : "No",
  "PAÍS DE DESTINO" : "España",
  "NIVEL ACADÉMICO" : "Maestría",
  "MODALIDAD" : "Presencial",
  "AÑO SELECCIÓN" : 2021,
  "Género" : "femenino"
}
{
  "_id" : ObjectId("6407f9ac61b324ec670f7781"),
  "RANGO DE EDAD" : "26 - 30 AÑOS",
  "ESTRATO SOCIOECONOMICO DE RESIDENCIA" : 2
}

```