

1.- mongoimport --db viajes --collection aeropuertos --type csv --file C:\airports.csv --headerline

```
> show dbs
admin            0.000GB
amiguitos        0.000GB
config           0.000GB
datosDestino     0.000GB
ejemplo2         0.000GB
ejemplo3         0.000GB
juegodetronos    0.000GB
local            0.000GB
viajes           0.001GB
>
```

Descarga el siguiente fichero csv e importalo en MongoDB.

Muestra capturas de pantalla de la importación del documento.

2.- Muestra el nombre de los aeropuertos que se encuentren en Canada.

```
db.aeropuertos.find({"Country":"Canada"},{"Name":1,"Country":1,_id:0}).pretty()
```

```
> db.aeropuertos.find({"Country":"Canada"},{"Name":1,"Country":1,_id:0}).pretty()
{ "Name" : "Sault Ste Marie Airport", "Country" : "Canada" }
{ "Name" : "Winnipeg / St. Andrews Airport", "Country" : "Canada" }
{ "Name" : "Halifax / CFB Shearwater Heliport", "Country" : "Canada" }
{ "Name" : "St. Anthony Airport", "Country" : "Canada" }
{ "Name" : "Tofino / Long Beach Airport", "Country" : "Canada" }
{ "Name" : "Kugaaruk Airport", "Country" : "Canada" }
{ "Name" : "Baie Comeau Airport", "Country" : "Canada" }
{ "Name" : "CFB Bagotville", "Country" : "Canada" }
{ "Name" : "Baker Lake Airport", "Country" : "Canada" }
{ "Name" : "Campbell River Airport", "Country" : "Canada" }
{ "Name" : "Brandon Municipal Airport", "Country" : "Canada" }
{ "Name" : "Nanaimo Airport", "Country" : "Canada" }
{ "Name" : "Charlo Airport", "Country" : "Canada" }
{ "Name" : "Kugluktuk Airport", "Country" : "Canada" }
{ "Name" : "Coronation Airport", "Country" : "Canada" }
{ "Name" : "Cambridge Bay Airport", "Country" : "Canada" }
{ "Name" : "Clyde River Airport", "Country" : "Canada" }
{ "Name" : "Coral Harbour Airport", "Country" : "Canada" }
{ "Name" : "Dawson City Airport", "Country" : "Canada" }
{ "Name" : "Castlegar/West Kootenay Regional Airport", "Country" : "Canada" }
Type "it" for more
> it
{ "Name" : "Miramichi Airport", "Country" : "Canada" }
{ "Name" : "Burwash Airport", "Country" : "Canada" }
{ "Name" : "Princeton Airport", "Country" : "Canada" }
{ "Name" : "Deer Lake Airport", "Country" : "Canada" }
{ "Name" : "Chilliwack Airport", "Country" : "Canada" }
{ "Name" : "Dease Lake Airport", "Country" : "Canada" }
{ "Name" : "Dauphin Barker Airport", "Country" : "Canada" }
{ "Name" : "Dawson Creek Airport", "Country" : "Canada" }
{ "Name" : "Edmonton International Airport", "Country" : "Canada" }
{ "Name" : "Arviat Airport", "Country" : "Canada" }
{ "Name" : "Estevan Airport", "Country" : "Canada" }
{ "Name" : "Edson Airport", "Country" : "Canada" }
{ "Name" : "Eureka Airport", "Country" : "Canada" }
{ "Name" : "Inuvik Mike Zubko Airport", "Country" : "Canada" }
{ "Name" : "Iqaluit Airport", "Country" : "Canada" }
{ "Name" : "Forestville Airport", "Country" : "Canada" }
{ "Name" : "Fredericton Airport", "Country" : "Canada" }
{ "Name" : "Flin Flon Airport", "Country" : "Canada" }
{ "Name" : "Fort Resolution Airport", "Country" : "Canada" }
{ "Name" : "Fort Simpson Airport", "Country" : "Canada" }
Type "it" for more
>
```

3.- Muestra el nombre de los aeropuertos cuya localidad empieza por K.

```
db.aeropuertos.find({"City":{"regex:/^K/i}},{"Name":1,"Country":1,"_id":0}).pretty()
```

```
> db.aeropuertos.find({"City":{"regex:/^K/i}},{"Name":1,"Country":1,"_id":0}).pretty()
{ "Name" : "Keflavik International Airport", "Country" : "Iceland" }
{ "Name" : "Kingston Norman Rogers Airport", "Country" : "Canada" }
{ "Name" : "Kamloops Airport", "Country" : "Canada" }
{ "Name" : "Kindersley Airport", "Country" : "Canada" }
{ "Name" : "Kelowna International Airport", "Country" : "Canada" }
{ "Name" : "Kenora Airport", "Country" : "Canada" }
{ "Name" : "Kapuskasing Airport", "Country" : "Canada" }
{ "Name" : "Korhogo Airport", "Country" : "Cote d'Ivoire" }
{ "Name" : "Kaduna Airport", "Country" : "Nigeria" }
{ "Name" : "Mallam Aminu International Airport", "Country" : "Nigeria" }
{ "Name" : "Kleine Brogel Air Base", "Country" : "Belgium" }
{ "Name" : "Koksijde Air Base", "Country" : "Belgium" }
{ "Name" : "Wevelgem Airport", "Country" : "Belgium" }
{ "Name" : "Kyritz Airport", "Country" : "Germany" }
{ "Name" : "Kamenz Airport", "Country" : "Germany" }
{ "Name" : "Kiel-Holtenau Airport", "Country" : "Germany" }
{ "Name" : "Koblenz-Winningen Airfield", "Country" : "Germany" }
{ "Name" : "Kassel-Calden Airport", "Country" : "Germany" }
{ "Name" : "Kuressaare Airport", "Country" : "Estonia" }
{ "Name" : "Kärdla Airport", "Country" : "Estonia" }
Type "it" for more
> it
{ "Name" : "Kitee Airport", "Country" : "Finland" }
{ "Name" : "Kiikala Airport", "Country" : "Finland" }
{ "Name" : "Kauhava Airport", "Country" : "Finland" }
{ "Name" : "Kemi-Tornio Airport", "Country" : "Finland" }
{ "Name" : "Kajaani Airport", "Country" : "Finland" }
{ "Name" : "Kauhajoki Airport", "Country" : "Finland" }
{ "Name" : "Kokkola-Pietarsaari Airport", "Country" : "Finland" }
{ "Name" : "Kemijärvi Airport", "Country" : "Finland" }
{ "Name" : "Kuusamo Airport", "Country" : "Finland" }
{ "Name" : "Kittilä Airport", "Country" : "Finland" }
{ "Name" : "Kuopio Airport", "Country" : "Finland" }
{ "Name" : "Kirkwall Airport", "Country" : "United Kingdom" }
{ "Name" : "Kerry Airport", "Country" : "Ireland" }
{ "Name" : "Karup Airport", "Country" : "Denmark" }
{ "Name" : "Kruså-Padborg Airport", "Country" : "Denmark" }
{ "Name" : "Kolding Vamdrup Airfield", "Country" : "Denmark" }
{ "Name" : "Kristiansand Airport", "Country" : "Norway" }
{ "Name" : "Kjeller Airport", "Country" : "Norway" }
{ "Name" : "Kirkenes Airport (Høybuktmoen)", "Country" : "Norway" }
{ "Name" : "Kristiansund Airport (Kvernberget)", "Country" : "Norway" }
```

4.- Muestra el nombre de los aeropuertos cuya localidad termina en z.

```
db.aeropuertos.find({"City":{"regex:/z$/i}},{"Name":1,"City":1,"_id":0}).pretty()
```

```
> db.aeropuertos.find({"City":{"regex:/z$/i}},{"Name":1,"City":1,"_id":0}).pretty()
{ "Name" : "Mano Dayak International Airport", "City" : "Agadez" }
{ "Name" : "Rechlin-Lärz Airport", "City" : "Rechlin-laerz" }
{ "Name" : "Kyritz Airport", "City" : "Kyritz" }
{ "Name" : "Kamenz Airport", "City" : "Kamenz" }
{ "Name" : "Mainz-Finthen Airport", "City" : "Mainz" }
{ "Name" : "Flugplatz Dahlemer Binz", "City" : "Dahlemer Binz" }
{ "Name" : "Koblenz-Winningen Airfield", "City" : "Koblenz" }
{ "Name" : "Diepholz Air Base", "City" : "Diepholz" }
{ "Name" : "Nordholz Naval Airbase", "City" : "Nordholz" }
{ "Name" : "Badajoz Airport", "City" : "Badajoz" }
{ "Name" : "Jerez Airport", "City" : "Jerez" }
{ "Name" : "Rodez-Marcillac Airport", "City" : "Rodez" }
{ "Name" : "Metz-Nancy-Lorraine Airport", "City" : "Metz" }
{ "Name" : "Metz-Frescaty (BA 128) Air Base", "City" : "Metz" }
{ "Name" : "Portoroz Airport", "City" : "Portoroz" }
{ "Name" : "Graz Airport", "City" : "Graz" }
{ "Name" : "Linz Hörsching Airport", "City" : "Linz" }
{
  "Name" : "Abraham González International Airport",
  "City" : "Ciudad Juarez"
}
{
  "Name" : "Manuel Márquez de León International Airport",
  "City" : "La Paz"
}
{ "Name" : "Terán Air Base", "City" : "Tuxtla Gutierrez" }
Type "it" for more
```

5.- Cuenta los aeropuertos que se encuentran en la zona horaria 0.

```
db.aeropuertos.aggregate([{$group:{_id:"$Timezone",Total_aero:{$sum:1}}},{ $match:
{_id:0}}])
```

```
> db.aeropuertos.aggregate([{$group:{_id:"$Timezone",Total_aero:{$sum:1}}},{ $match:{_id:0}}])
{ "_id" : 0, "Total_aero" : 633 }
```

6- Cuenta los aeropuertos que hay en cada continente.

```
db.aeropuertos.aggregate([{$group:{_id:"$TZ","Total_Aeropuerto":{$sum:1}}}] ).pretty()
```

```
> db.aeropuertos.aggregate([{$group:{_id:"$Timezone",Total_aero:{$sum:1}}},{ $match:{_id:0}}])
{ "_id" : 0, "Total_aero" : 633 }
> db.aeropuertos.aggregate([{$group:{_id:"$TZ","Total_Aeropuerto":{$sum:1}}}] ).pretty()
{ "_id" : "America/Havana", "Total_Aeropuerto" : 29 }
{ "_id" : "America/Aruba", "Total_Aeropuerto" : 1 }
{ "_id" : "Asia/Dhaka", "Total_Aeropuerto" : 13 }
{ "_id" : "America/Panama", "Total_Aeropuerto" : 27 }
{ "_id" : "Asia/Anadyr", "Total_Aeropuerto" : 9 }
{ "_id" : "Pacific/Pago Pago", "Total_Aeropuerto" : 3 }
{ "_id" : "Pacific/Guadalcanal", "Total_Aeropuerto" : 26 }
{ "_id" : "Pacific/Honolulu", "Total_Aeropuerto" : 25 }
{ "_id" : "Europe/Budapest", "Total_Aeropuerto" : 27 }
{ "_id" : "Africa/Brazzaville", "Total_Aeropuerto" : 5 }
{ "_id" : "Africa/Kinshasa", "Total_Aeropuerto" : 17 }
{ "_id" : "Asia/Muscat", "Total_Aeropuerto" : 7 }
{ "_id" : "America/Belem", "Total_Aeropuerto" : 22 }
{ "_id" : "America/La_Paz", "Total_Aeropuerto" : 29 }
{ "_id" : "Africa/Ouagadougou", "Total_Aeropuerto" : 2 }
{ "_id" : "Asia/Saigon", "Total_Aeropuerto" : 30 }
{ "_id" : "Atlantic/Reykjavik", "Total_Aeropuerto" : 23 }
{ "_id" : "Africa/Nouakchott", "Total_Aeropuerto" : 12 }
{ "_id" : "Asia/Rangoon", "Total_Aeropuerto" : 42 }
{ "_id" : "Asia/Singapore", "Total_Aeropuerto" : 6 }
```

7.- Indica cual es el país que tiene más aeropuertos.

```
db.aeropuertos.aggregate([{$group:{_id:"$Country",numMaxAeros:{$max:"$AirportID"}},{$sort:{"numMaxAeros":-1}},{$limit:1}])
```

```
> db.aeropuertos.aggregate([{$group:{_id:"$Country",numMaxAeros:{$max:"$AirportID"}},{$sort:{"numMaxAeros":-1}},{$limit:1}])
{ "_id" : "United States", "numMaxAeros" : 14111 }
```

8.- Indica los aeropuertos cuya latitud es mayor de 105638 y menor de 2365123.

```
db.aeropuertos.find({$and:[{"Latitude":{$gt:105638}}, {"Latitude":{$lt:2365123}}],{"Name":1,"_id":0}).pretty()
```

```
> db.aeropuertos.find({$and:[{"Latitude":{$gt:105638}}, {"Latitude":{$lt:2365123}}],{"Name":1,"_id":0}).pretty()
{ "Name" : "Quebec Jean Lesage International Airport" }
{ "Name" : "Sydney / J.A. Douglas McCurdy Airport" }
{ "Name" : "Warton Airport" }
{ "Name" : "Reggane Airport" }
{ "Name" : "In Aménas Airport" }
{ "Name" : "Ouagadougou Airport" }
{ "Name" : "Gusau Airport" }
{ "Name" : "Mallam Aminu International Airport" }
{ "Name" : "Makurdi Airport" }
{ "Name" : "Zaria Airport" }
{ "Name" : "Diori Hamani International Airport" }
{ "Name" : "Berlin-Tegel Airport" }
{ "Name" : "Frankfurt-Hahn Airport" }
{ "Name" : "Zweibrücken Airport" }
{ "Name" : "Kitee Airport" }
{ "Name" : "Mikkeli Airport" }
{ "Name" : "Teisko Airport" }
{ "Name" : "Manchester Woodford Airport" }
{ "Name" : "RAF Lyneham" }
{ "Name" : "MoD St. Athan" }
```

Activar Windows
Ve a Configuración para activar Windows.

9.- Indica la máxima altitud donde se encuentra un aeropuerto.

```
db.aeropuertos.aggregate([{$group:{_id:"$Name",numMaxAltura:{$max:"$Altitude"}}},{$sort:{"numMaxAltura":-1}}])
```

```
> db.aeropuertos.aggregate([{$group:{_id:"$Name",numMaxAltura:{$max:"$Altitude"}}},{$sort:{"numMaxAltura":-1}},{$limit:1}])
{ "_id" : "Tromsø Airport", "numMaxAltura" : "1,89188995361328E+016" }
```

10.- Borra la base de datos.

```
db.dropDatabase()
```