

13. Obtén el viaje con menor duración.

The screenshot shows the MongoDB Compass interface. The left sidebar displays the database structure with collections like 'sample_training.trips'. The main panel shows a query for the 'sample_training.trips' collection. The query is: `{ $sort: { tripduration: 1 } }`. The results show a single document with the shortest trip duration: `{ "_id": "5720b6222b2889196a8ac204", "tripduration": 61, "start station name": "E 85 St & York Ave", "end station name": "E 85 St & York Ave" }`.

12. Obtén el viaje con mayor duración.

The screenshot shows the MongoDB Compass interface. The left sidebar displays the database structure with collections like 'sample_training.trips'. The main panel shows a query for the 'sample_training.trips' collection. The query is: `{ $sort: { tripduration: -1 } }`. The results show a single document with the longest trip duration: `{ "_id": "5720b6222b2889196a8ac87c", "tripduration": 32622, "start station name": "Clark St & Henry St", "end station name": "State St & Smith St" }`.

11. Obtén la empresa con el mayor número de empleados.

The screenshot shows the MongoDB Compass interface. The left sidebar displays the database structure with collections like 'sample_training.companies'. The main panel shows a query for the 'sample_training.companies' collection. The query is: `{ $sort: { number_of_employees: -1 } }`. The results show a single document with the highest number of employees: `{ "_id": "52cdef7c4b0b0b675298564", "name": "IBM", "number_of_employees": 388800 }`.

10. Obtén la empresa con el menor número de empleados.

MongoDB Compass - cluster0.obsva.mongodb.net/sample_training.routes

Connect View Collection Help

Local

12 DBS 32 COLLECTIONS

HOSTS

- cluster0-shard-00-02.obsv...
- cluster0-shard-00-00.obsv...
- cluster0-shard-00-01.obsv...

CLUSTER

Replica Set (atlas-511mwb...

3 Nodes

EDITION

MongoDB 4.4.6 Enterprise

Filter your data

- admin
- config
- local

sample_training.companies

DOCUMENTS 9.5k TOTAL SIZE 34.6MB AVG SIZE 3.7KB INDEXES 1 TOTAL SIZE 248.0KB AVG SIZE 248.0KB

Documents Aggregations Schema Explain Plan Indexes Validation

FILTER: {number_of_employees:{\$lte:null}}

PROJECT: {name:1,number_of_employees:1}

SORT: {number_of_employees:1}

COLLATION: {locale:'simple'}

MAX TIME MS: 60000

SKIP: 0 LIMIT: 1

VIEW

Displaying documents 1 - 1 of 1

REFRESH

```
{
  "_id": ObjectId("73cde77c4b0b0675297dbd"),
  "name": "youtube",
  "number_of_employees": 0
}
```

9. Obtén las rutas con un número de paradas entre 1 y 5.

MongoDB Compass - cluster0.obsva.mongodb.net/sample_training.routes

Connect View Collection Help

Local

12 DBS 32 COLLECTIONS

HOSTS

- cluster0-shard-00-02.obsv...
- cluster0-shard-00-00.obsv...
- cluster0-shard-00-01.obsv...

CLUSTER

Replica Set (atlas-511mwb...

3 Nodes

EDITION

MongoDB 4.4.6 Enterprise

Filter your data

- admin
- config
- local
- sample_airbnb
- sample_analytics
- sample_geospatial
- sample_mflix
- sample_restaurants
- sample_supplies

sample_training.routes

DOCUMENTS 67.0k TOTAL SIZE 11.6MB AVG SIZE 104B INDEXES 1 TOTAL SIZE 1.4MB AVG SIZE 1.4MB

Documents Aggregations Schema Explain Plan Indexes Validation

FILTER: {\$and:[{\$gt:[{stops:1}],{\$lte:[{stops:5}]}]}

PROJECT: {field:0}

SORT: {stops:-1}

COLLATION: {locale:'simple'}

MAX TIME MS: 60000

SKIP: 0 LIMIT: 0

ADD DATA

VIEW

Displaying documents 1 - 11 of 11

REFRESH

```
{
  "_id": ObjectId("56e90390732b6122f6780243"),
  "airline": {
    "src_airport": "VTE",
    "dst_airport": "YEG",
    "codeshare": ""
  },
  "stops": 1,
  "airplane": "ata"
},
{
  "_id": ObjectId("56e90390732b6122f6781803"),
  "airline": {
    "src_airport": "MEX",
    "dst_airport": "MEX",
    "codeshare": ""
  },
  "stops": 1,
  "airplane": "333"
}
```

8. Obtén todas las compañías con más de 50 empleados.

MongoDB Compass - cluster0.obsva.mongodb.net/sample_training.routes

Connect View Collection Help

Local

12 DBS 32 COLLECTIONS

HOSTS

- cluster0-shard-00-02.obsv...
- cluster0-shard-00-00.obsv...
- cluster0-shard-00-01.obsv...

CLUSTER

Replica Set (atlas-511mwb...

3 Nodes

EDITION

MongoDB 4.4.6 Enterprise

Filter your data

- admin
- config
- local
- sample_airbnb
- sample_analytics
- sample_geospatial
- sample_mflix
- sample_restaurants

sample_training.companies

DOCUMENTS 9.5k TOTAL SIZE 34.6MB AVG SIZE 3.7KB INDEXES 1 TOTAL SIZE 248.0KB AVG SIZE 248.0KB

Documents Aggregations Schema Explain Plan Indexes Validation

FILTER: {number_of_employees:{\$gt:50}}

PROJECT: {name:1,number_of_employees:1}

SORT: {number_of_employees:1}

COLLATION: {locale:'simple'}

MAX TIME MS: 60000

SKIP: 0 LIMIT: 0

VIEW

Displaying documents 1 - 20 of 703

REFRESH

```
{
  "_id": ObjectId("73cde77c4b0b067529aed7"),
  "name": "Visage Mobile",
  "number_of_employees": 51
},
{
  "_id": ObjectId("73cde77c4b0b067529ace2"),
  "name": "Sparkkiss",
  "number_of_employees": 51
},
{
  "_id": ObjectId("73cde77c4b0b0675290e08"),
  "name": "Funmobility",
  "number_of_employees": 51
}
```

7. Obtén todas las compañías fundadas en octubre del 2008.

MongoDB Compass - cluster0.obsva.mongodb.net/sample_training.routes

Local

12 DBS 32 COLLECTIONS

HOSTS

- cluster0-shard-00-02.obsva...
- cluster0-shard-00-00.obsva...
- cluster0-shard-00-01.obsva...

CLUSTER

Replica Set (atlas-011mwb...

3 Nodes

EDITION

MongoDB 4.4.6 Enterprise

Filter your data

- admin
- config
- local
- sample_airbnb
- sample_analytics
- sample_geospatial
- sample_mflix
- sample_restaurants
- sample_supplies

sample_training.companies

Documents Aggregations Schema Explain Plan Indexes Validation

DOCUMENTS 9.5K TOTAL SIZE 34.8MB AVG SIZE 3.7KB INDEXES 1 TOTAL SIZE 248.0KB AVG SIZE 248.0KB

Filter: {founded_year: 2008, founded_month: 10}

Options: FIND RESET

Displaying documents 1 - 20 of 63

Documents:

- {_id: ObjectId("52c0e7c4e0b0b6752985ca"), name: "TuneSage", founded_year: 2008, founded_month: 10}
- {_id: ObjectId("52c0e7c4e0b0b675298d21"), name: "Puccy", founded_year: 2008, founded_month: 10}
- {_id: ObjectId("52c0e7c4e0b0b675299493"), name: "Bush Hour", founded_year: 2008, founded_month: 10}

6. Obtén todas las calificaciones provenientes de los grupos 357, 57 y 465.

MongoDB Compass - cluster0.obsva.mongodb.net/sample_training.routes

Local

12 DBS 32 COLLECTIONS

HOSTS

- cluster0-shard-00-02.obsva...
- cluster0-shard-00-00.obsva...
- cluster0-shard-00-01.obsva...

CLUSTER

Replica Set (atlas-011mwb...

3 Nodes

EDITION

MongoDB 4.4.6 Enterprise

Filter your data

- admin
- config
- local
- sample_airbnb
- sample_analytics
- sample_geospatial
- sample_mflix

sample_training.grades

Documents Aggregations Schema Explain Plan Indexes Validation

DOCUMENTS 100.0K TOTAL SIZE 22.2MB AVG SIZE 233B INDEXES 1 TOTAL SIZE 2.7MB AVG SIZE 2.7MB

Filter: {class_id: {in: [357, 57, 465]}}

Options: FIND RESET

Displaying documents 1 - 20 of 584

Documents:

- {_id: ObjectId("54d57f0e040380a0020424"), student_id: 0, scores: Array, class_id: 57}
- {_id: ObjectId("54d57f0e040380a0020424"), student_id: 1, scores: Array, class_id: 465}
- {_id: ObjectId("54d57f0e040380a0020424"), student_id: 11, scores: Array, class_id: 357}

5. Obtén todos los post del autor machine.

MongoDB Compass - cluster0.obsva.mongodb.net/sample_training.routes

Local

12 DBS 32 COLLECTIONS

HOSTS

- cluster0-shard-00-02.obsva...
- cluster0-shard-00-00.obsva...
- cluster0-shard-00-01.obsva...

CLUSTER

Replica Set (atlas-011mwb...

3 Nodes

EDITION

MongoDB 4.4.6 Enterprise

Filter your data

- admin
- config
- local
- sample_airbnb
- sample_analytics
- sample_geospatial
- sample_mflix
- sample_restaurants

sample_training.posts

Documents Aggregations Schema Explain Plan Indexes Validation

DOCUMENTS 500 TOTAL SIZE 16.6MB AVG SIZE 34.1KB INDEXES 1 TOTAL SIZE 28.0KB AVG SIZE 28.0KB

Filter: {author: 'machine'}

Options: FIND RESET

Displaying documents 1 - 20 of 500

Documents:

- {_id: ObjectId("50a0f0b0f30fc2536dc0fe"), author: "machine", title: "US Constitution"}
- {_id: ObjectId("50a0f0b0f30fc2536dc011"), author: "machine", title: "Bill of Rights"}
- {_id: ObjectId("50a0f0b0f30fc2536dc028"), author: "machine", title: "Declaration of Independence"}

4. Obtén el nombre de todas las compañías fundadas en 2008.

The screenshot shows the MongoDB Compass interface. The database is 'cluster0.obsva.mongodb.net/sample_training.routes'. The collection 'sample_training.companies' is selected. The query is: `{ "founded_year": 2008 }`. The results show three documents:

- `{ "_id": "52cdef7c4babb0d675297da8", "name": "OpenK" }`
- `{ "_id": "52cdef7c4babb0d675298218", "name": "KondorWatu" }`
- `{ "_id": "52cdef7c4babb0d675298259", "name": "Ivose" }`

3. Obtén el nombre de todas las compañías fundadas en octubre.

The screenshot shows the MongoDB Compass interface. The database is 'cluster0.obsva.mongodb.net/sample_training.routes'. The collection 'sample_training.companies' is selected. The query is: `{ "founded_month": 10 }`. The results show four documents:

- `{ "_id": "52cdef7c4babb0d675297da8", "name": "Netpaint" }`
- `{ "_id": "52cdef7c4babb0d675297da4", "name": "Powerset" }`
- `{ "_id": "52cdef7c4babb0d675297eb7", "name": "Rever" }`
- `{ "_id": "52cdef7c4babb0d675297ete", "name": "TechnologyGuide" }`

2. Obtén el identificador de la clase de cada calificación.

The screenshot shows the MongoDB Compass interface. The database is 'cluster0.obsva.mongodb.net/sample_training.routes'. The collection 'sample_training.grades' is selected. The query is: `{ "value": "value" }`. The results show two documents:

- `{ "_id": "56d5f7eb04eb388b0d8d8ce", "class_id": 339 }`
- `{ "_id": "56d5f7eb04eb388b0d8d8des", "class_id": 452 }`

1. Obtén los datos de contacto de cada compañía.

The screenshot shows the MongoDB Compass web interface. The top navigation bar includes 'Connect', 'View', 'Collection', and 'Help'. The left sidebar displays the database structure: 'Local' with '12 DBS' and '32 COLLECTIONS'. The main panel shows the 'sample_training.companies' collection with 9.5k documents, 34.6MB total size, and 1 index. The 'Documents' tab is active, showing a list of documents. The first document is:

```
{ "_id": "507b9c12d17529f095", "name": "Stubbs & Popen", "email_address": "", "phone_number": "" }
```

The second document is:

```
{ "_id": "507b9c12d17529f095", "name": "Cisco", "email_address": "", "phone_number": "(408) 526-4800" }
```

The interface also includes a search bar, a filter field, and a 'Find' button. The bottom status bar indicates 'Displaying documents 1 - 20 of 9500'.