


2. Requisitos

1. MongoDB Compass instalado.

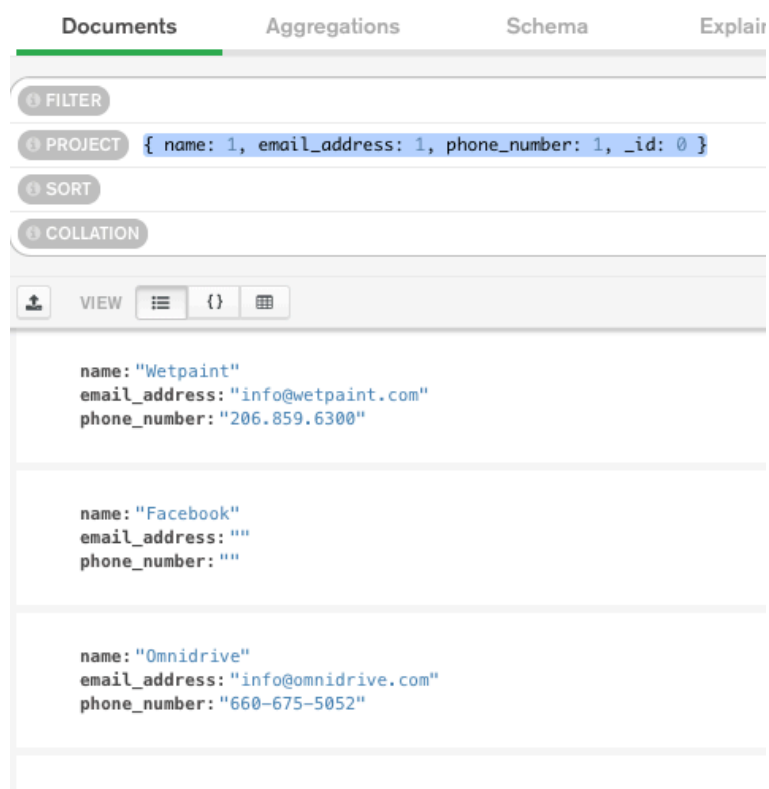
3. Desarrollo

Las consultas se realizarán sobre la base `sample_training`.

Todas las consultas que realices deberás mantenerlas dentro del MongoDB Compass. Para hacer esto, da clic en el botón con los puntos ... y en Toogle Query History. Busca la última consulta y agrégala a favoritos presionando el ícono con la estrella .

1. Obtén los datos de contacto de cada compañía.

`sample_training.companies`



The screenshot shows the MongoDB Compass interface with the 'Aggregations' tab selected. A query is entered in the 'PROJECT' section: `{ name: 1, email_address: 1, phone_number: 1, _id: 0 }`. Below the query editor, the results are displayed in a table view, showing three documents from the `sample_training.companies` collection.

name	email_address	phone_number	_id
Wetpaint	info@wetpaint.com	206.859.6300	0
Facebook			1
OmniDrive	info@omnidrive.com	660-675-5052	2

2. Obtén la fuente de cada tweet.

sample_training.tweets DOCUMENTS 24.8

Documents Aggregations Schema Explain Plan Indexes

FILTER PROJECT SORT COLLATION SKIP

VIEW {}

source: "web"

source: "TweetDeck"

source: "Twitter for Bla..."

source: "Echofon"

source: "Power Tw..."

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

sample_training.companies

Documents Aggregations Sche

FILTER PROJECT SORT COLLATION

VIEW {}

name: "Wetpaint"
founded_month: 10

name: "Powerset"
founded_month: 10

name: "TheFind"
founded_month: 10

name: "TechnologyGuide"
founded_month: 10

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

sample_training.companies

Documents Aggregations Schema

FILTER { founded_year : 2008 }

PROJECT { name: 1, founded_year: 1, _id: 0 }

SORT

COLLATION

VIEW

name: "OpenX"
founded_year: 2008

name: "WonderHowTo"
founded_year: 2008

name: "First30Days"
founded_year: 2008

name: "Mibura"
founded_year: 2008

name: "Tvosz"
founded_year: 2008

5. Obtén todos los post del autor machine.

sample_training.posts

DOCUMENTS 500 16.6MB 34.1KB INDEXES

Documents Aggregations Schema Explain Plan Indexes Validation

FILTER { author: { \$eq : "machine" } } **OPTIONS**

PROJECT { body: 1, author: 1, _id: 0 }

SORT

COLLATION

MAXTIME 5000

SKIP 0 **LIMIT** 0

VIEW

Displaying documents 1 - 20 of 500

body: "Amendment I
<p>Congress shall make no law respecting an establishment ..."
author: "machine"

body: "We the People of the United States, in Order to form a more perfect Un..."
author: "machine"

body: "Four score and seven years ago our fathers brought forth on this conti..."
author: "machine"

6. Obtén todos los tweets provenientes de la web.

sample_training.tweets

DOCUMENTS 24.8k TOTAL SIZE 39.4MB AVG. SIZE 1.6KB INDEXES 1

Documents Aggregations Schema Explain Plan Indexes Validation

FILTER { source: { \$eq : "web" } } OPTIONS

PROJECT

SORT

COLLATION

MAXTIMES 5000

SKIP 0 LIMIT 0

ADD DATA VIEW

Displaying documents 1 - 20 of 11141

```
> {
  "_id": ObjectId("5c8ecb0caa187d17ca623f5"),
  "text": "eu preciso de terminar de fazer a minha tabela, está muito foda **",
  "in_reply_to_status_id": null,
  "retweet_count": null,
  "contributors": null,
  "created_at": "Thu Sep 02 18:11:23 +0000 2010",
  "geo": null,
  "source": "web",
  "coordinates": null,
  "in_reply_to_screen_name": null,
  "truncated": false,
  "entities": {
    "retweeted": false,
    "place": null,
    "user": {
      "favored": false,
      "in_reply_to_user_id": null,
      "id": 22819396900
    }
  }
}
```

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

sample_training.companies

DOCUMENTS 9.5k TOTAL SIZE 34.8MB AVG. SIZE 3.7KB INDEXES 1 TOTAL 100.

Documents Aggregations Schema Explain Plan Indexes Validation

FILTER { founded_year: { \$eq : 2008 } }, { founded_month : { \$eq : 10 } } OPTIONS FIND

PROJECT { name: 1, founded_month: 1, founded_year: 1, _id: 0 }

SORT

COLLATION

MAXTIMES 5000

SKIP 0 LIMIT 0

VIEW

Displaying documents 1 - 20 of 9500

```
name: "Wetpaint"
founded_year: 2005
founded_month: 10

name: "Facebook"
founded_year: 2004
founded_month: 2
```

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

sample_training.companies

DOCUMENTS 9.5k 34.8MB 3.7KB INDEXES 1 100.0

Documents Aggregations Schema Explain Plan Indexes Validation

FILTER { number_of_employees : { \$gt : 50 } } **OPTIONS** **FIND**

PROJECT { name: 1, number_of_employees: 1, _id: 0 }

SORT **MAXTIMES** 5000

COLLATION **SKIP** 0 **LIMIT** 0

VIEW **{} {} {}** Displaying documents 1 - 20 of 793

name: "Meetup"
number_of_employees: 75

name: "SmugMug"
number_of_employees: 62

name: "Ustream"
number_of_employees: 250

9. Obtén las historias con número de comentarios entre 10 y 30.

sample_training.stories

DOCUMENTS 9.8k 9.6MB 1.0KB INDEXES 2 171

Documents Aggregations Schema Explain Plan Indexes Validation

FILTER { comments : { \$gte : 10, \$lte : 30 } } **OPTIONS** **FIND**

PROJECT { comments: 1, title: 1, _id: 0 }

SORT **MAXTIMES** 5000

COLLATION **SKIP** 0 **LIMIT** 0

VIEW **{} {} {}** Displaying documents 1 - 20 of 1930

title: "11 Amazing Treehouses from Around the World"
comments: 15

title: "NASA - The Wizard Nebula "
comments: 14

title: "WISE Captures a Cosmic Rose"
comments: 12

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

sample_training.companies

DOCUMENTS 9.5k TOTAL SIZE 34.8MB AVG. SIZE 3.7KB INDEXES 1 TO 10

Documents Aggregations Schema Explain Plan Indexes Validation

FILTER { number_of_employees: { \$ne : null } } **OPTIONS** **FIND**

PROJECT { number_of_employees: 1, _id : 0 }

SORT { number_of_employees: 1 } **MAXTIMES** 5000

COLLATION **SKIP** 0 **LIMIT** 0

VIEW { } { }

Displaying documents 1 - 20 of 4448

```
number_of_employees: 0
number_of_employees: 0
number_of_employees: 0
number_of_employees: 0
```

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

sample_training.companies

DOCUMENTS 9.5k TOTAL SIZE 34.8MB AVG. SIZE 3.7KB INDEXES 1 TO 10

Documents Aggregations Schema Explain Plan Indexes Validation

FILTER { number_of_employees: { \$ne : null } } **OPTIONS** **FIND**

PROJECT { number_of_employees: 1, _id : 0 }

SORT { number_of_employees: -1 } **MAXTIMES** 5000

COLLATION **SKIP** 0 **LIMIT** 0

VIEW { } { }

Displaying documents 1 - 20 of 4448

```
number_of_employees: 100000
number_of_employees: 100000
number_of_employees: 90000
number of employees: 86300
```

12. Obtén la historia más comentada.

sample_training.stories

DOCUMENTS 9.8k TOTAL SIZE 9.6MB AVG. SIZE 1.0KB INDEXES 1

Documents Aggregations Schema Explain Plan Indexes Validation

FILTER { comments : { \$ne : null } } **OPTIONS**

PROJECT { title: 1, comments: 1, _id: 0 }

SORT { comments : -1} **MAXTIMES** 5000

COLLATION **SKIP** 0 **LIMIT** 0

VIEW **{} {} {} {}** Displaying documents 1 - 20 of 9842

title: "Republican Brown wins Massachusetts Senate seat!"
comments: 1864

title: "Shit Talker Starts Crap With 67 Yr Old Man, Gets Ass Beat."
comments: 1452

title: "Shit Talker Starts Crap With 67 Yr Old Man, Gets Ass Beat."
comments: 1452

13. Obtén la historia menos comentada.

sample_training.stories

DOCUMENTS 9.8k TOTAL SIZE 9.6MB AVG. SIZE 1.0KB INDEXES 2 TOTAL 176

Documents Aggregations Schema Explain Plan Indexes Validation

FILTER { comments : { \$ne : null } } **OPTIONS** **FIND**

PROJECT { title: 1, comments: 1, _id: 0 }

SORT { comments : 1} **MAXTIMES** 5000

COLLATION **SKIP** 0 **LIMIT** 0

VIEW **{} {} {} {}** Displaying documents 1 - 20 of 9842 **< >**

title: "UA Tech Park chosen for \$32 million 'Solar Zone' project"
comments: 0

title: "UA Tech Park chosen for \$32 million 'Solar Zone' project"
comments: 0

title: "Smallest eel-loach Fish Discovered"
comments: 2

title: "Rebtel Buying a Part of Talkster"
comments: 2