

## EVIDENCIAS SESION 7 – VICTOR MIGUEL TERRON MACIAS

### EJERCICIO 1

MongoDB Compass - cluster0.o0mje.mongodb.net:27017/sample\_airbnb.listingsAndReviews

Connect View Collection Help

Local

12 DBS 31 COLLECTIONS

HOSTS

- cluster0-shard-00-01.o0mje...
- cluster0-shard-00-00.o0mje...
- cluster0-shard-00-02.o0mje...

CLUSTER

Replica Set (atlas-z46ch5-...

3 Nodes

EDITION

MongoDB 4.2.11 Enterprise

Filter your data

- BEDUTERRON
- admin
- config
- local
- sample\_airbnb
  - listingsAndReviews
- sample\_analytics
- sample\_geospatial
- sample\_mix

sample\_airbnb.listingsAndReviews

DOCUMENTS 5.6k TOTAL SIZE 90.0MB AVG. SIZE 16.6KB INDEXES 4 TOTAL SIZE 492.0KB AVG. SIZE 123.0KB

Documents Aggregations Schema Explain Plan Indexes Validation

COLLATION Untitled - Modified SAVE SAMPLE MODE AUTO PREVIEW

\$match

Output after \$match stage (Sample of 20 documents)

```
1 /**
2  * query: The query in HQL.
3  */
4 /**
5  * property_type: "House",
6  * bedrooms: {$gte: 1}
7  */
8
```

Output after \$addFields stage (Sample of 20 documents)

```
1 /**
2  * newField: The new field name.
3  * expression: The new field expression.
4  */
5 /**
6  * costo_recamara: {$divide: ["$price", "$bedrooms"]}
7  */
8
```

MongoDB Compass - cluster0.o0mje.mongodb.net:27017/sample\_airbnb.listingsAndReviews

Connect View Collection Help

Local

12 DBS 31 COLLECTIONS

HOSTS

- cluster0-shard-00-01.o0mje...
- cluster0-shard-00-00.o0mje...
- cluster0-shard-00-02.o0mje...

CLUSTER

Replica Set (atlas-z46ch5-...

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EDITION

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Filter your data

- BEDUTERRON
- admin
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- local
- sample\_airbnb
  - listingsAndReviews
- sample\_analytics
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- sample\_mix

sample\_airbnb.listingsAndReviews

DOCUMENTS 5.6k TOTAL SIZE 90.0MB AVG. SIZE 16.6KB INDEXES 4 TOTAL SIZE 492.0KB AVG. SIZE 123.0KB

Documents Aggregations Schema Explain Plan Indexes Validation

COLLATION Untitled - Modified SAVE SAMPLE MODE AUTO PREVIEW

\$addFields

Output after \$addFields stage (Sample of 20 documents)

```
1 /**
2  * newField: The new field name.
3  * expression: The new field expression.
4  */
5 /**
6  * costo_recamara: {$divide: ["$price", "$bedrooms"]}
7  */
8
```

\$group

Output after \$group stage (Sample of 1 document)

```
1 /**
2  * id: The id of the group.
3  * fieldN: The first field name.
4  */
5 /**
6  * _id: null,
7  * recamaras: {
8  *   $sum: 1
9  * },
10 * total: {
11 *   $sum: "$costo_recamara"
12 * }
13 */
```



MongoDB Compass - cluster0.o0mje.mongodb.net:27017/sample\_airbnb.listingsAndReviews

Connect View Collection Help

Local

12 DBS 31 COLLECTIONS

HOSTS

cluster0-shard-00-01.o0mje...  
cluster0-shard-00-02.o0mje...  
cluster0-shard-00-02.o0mje...

CLUSTER

Replica Set (atlas-z46ch5-...)  
3 Nodes

EDITION

MongoDB 4.2.11 Enterprise

Filter your data

BEDUTERRON

admin

config

local

sample\_airbnb

listingsAndReviews

sample\_analytics

sample\_geospatial

sample\_mflix

sample\_airbnb.listingsAndReviews

DOCUMENTS 5.6k TOTAL SIZE 90.0MB AVG. SIZE 16.6KB INDEXES 4 TOTAL SIZE 492.0KB AVG. SIZE 123.0KB

Documents Aggregations Schema Explain Plan Indexes Validation

COLLATION Untitled-Modified SAVE

SAMPLE MODE AUTO PREVIEW

```

1 //
2 *
3 * specifications: The fields to
4 * include or exclude.
5 *
6 *
7 *
8 *
9 *
10 *

```

Output after \$project stage (Sample of 9 documents)

```

1 //
2 * specifications: The fields to
3 * include or exclude.
4 *
5 *
6 *
7 *
8 *
9 *

```

ADD STAGE

MongoSH Beta

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19:47 15/12/2020

## EJEMPLO 2

MongoDB Compass - cluster0.o0mje.mongodb.net:27017/sample\_mflix.comments

Connect View Collection Help

Local

12 DBS 31 COLLECTIONS

HOSTS

cluster0-shard-00-01.o0mje...  
cluster0-shard-00-02.o0mje...  
cluster0-shard-00-02.o0mje...

CLUSTER

Replica Set (atlas-z46ch5-...)  
3 Nodes

EDITION

MongoDB 4.2.11 Enterprise

Filter your data

BEDUTERRON

admin

config

local

sample\_airbnb

sample\_analytics

sample\_geospatial

sample\_mflix

comments

sample\_mflix.comments

DOCUMENTS 50.3k TOTAL SIZE 13.6MB AVG. SIZE 264B INDEXES 1 TOTAL SIZE 456.0KB AVG. SIZE 456.0KB

Documents Aggregations Schema Explain Plan Indexes Validation

COLLATION Untitled-Modified SAVE

SAMPLE MODE AUTO PREVIEW

```

1 //
2 * newField: The new field name.
3 * expression: The new field expression.
4 *
5 *
6 *
7 *
8 *
9 *

```

Output after \$addFields stage (Sample of 20 documents)

```

1 //
2 * newField: The new field name.
3 * expression: The new field expression.
4 *
5 *
6 *
7 *
8 *
9 *

```

Output after \$project stage (Sample of 20 documents)

```

1 //
2 * specifications: The fields to
3 * include or exclude.
4 *
5 *
6 *
7 *
8 *
9 *

```

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## RETO 2

MongoDB Compass - cluster0.o0mje.mongodb.net:27017/sample\_mflix.comments

Connect View Collection Help

Local

12 DBS 31 COLLECTIONS

cluster0-shard-00-01.o0mje...  
cluster0-shard-00-02.o0mje...  
cluster0-shard-00-02.o0mje...

CLUSTER  
Replica Set (atlas-z46ch5-...)  
3 Nodes

EDITION  
MongoDB 4.2.11 Enterprise

Filter your data

BEDUTERRON

admin  
config  
local  
sample\_airbnb  
sample\_analytics  
sample\_geospatial  
sample\_mflix

comments

sample\_mflix.comments

Aggregations

sample\_mflix.comments

DOCUMENTS 50.3k TOTAL SIZE 13.6MB AVG. SIZE 264B INDEXES 1 TOTAL SIZE 456.0KB AVG. SIZE 456.0KB

Documents Aggregations Schema Explain Plan Indexes Validation

COLLATION Untitled - Modified SAVE

SAMPLE MODE AUTO PREVIEW

1 \*  
2 \* specifications: The fields to  
3 \* include or exclude.  
4 \*/  
5 \*  
6 \*/  
7 \*/  
8 \*/  
9 \*/  
10 \*/

name: "Andrea Le"  
email: "andrea\_le@fakegmail.com"  
USER\_password: "52b512535874aUL2y6P16KYrcbKOKX22.wskED"

name: "Greg Powell"  
email: "greg\_powell@fakegmail.com"  
USER\_password: "52b512535874aUL2y6P16KYrcbKOKX22.wskED"

name: "Andrea Le"  
email: "andrea\_le@fakegmail.com"  
USER\_password: "52b512535874aUL2y6P16KYrcbKOKX22.wskED"

name: "Greg Powell"  
email: "greg\_powell@fakegmail.com"  
USER\_password: "52b512535874aUL2y6P16KYrcbKOKX22.wskED"

ADD STAGE

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## EVIDENCIA 3

MongoDB Compass - cluster0.o0mje.mongodb.net:27017/sample\_mflix.comments

Connect View Collection Help

Local

12 DBS 31 COLLECTIONS

cluster0-shard-00-01.o0mje...  
cluster0-shard-00-02.o0mje...  
cluster0-shard-00-02.o0mje...

CLUSTER  
Replica Set (atlas-z46ch5-...)  
3 Nodes

EDITION  
MongoDB 4.2.11 Enterprise

Filter your data

BEDUTERRON

admin  
config  
local  
sample\_airbnb  
sample\_analytics  
sample\_geospatial  
sample\_mflix

comments

sample\_mflix.comments

Aggregations

sample\_mflix.comments

DOCUMENTS 50.3k TOTAL SIZE 13.6MB AVG. SIZE 264B INDEXES 1 TOTAL SIZE 456.0KB AVG. SIZE 456.0KB

Documents Aggregations Schema Explain Plan Indexes Validation

COLLATION Untitled - Modified SAVE

SAMPLE MODE AUTO PREVIEW

1 \*  
2 \* specifications: The fields to  
3 \* include or exclude.  
4 \*/  
5 \*  
6 \*/  
7 \*/  
8 \*/  
9 \*/  
10 \*/

name: "Andrea Le"  
email: "andrea\_le@fakegmail.com"  
USER\_password: "52b512535874aUL2y6P16KYrcbKOKX22.wskED"

name: "Greg Powell"  
email: "greg\_powell@fakegmail.com"  
USER\_password: "52b512535874aUL2y6P16KYrcbKOKX22.wskED"

name: "Andrea Le"  
email: "andrea\_le@fakegmail.com"  
USER\_password: "52b512535874aUL2y6P16KYrcbKOKX22.wskED"

name: "Greg Powell"  
email: "greg\_powell@fakegmail.com"  
USER\_password: "52b512535874aUL2y6P16KYrcbKOKX22.wskED"

ADD STAGE

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Save Pipeline

comentario-pelicula

CANCEL SAVE

## RETO 3

The screenshot shows the MongoDB Compass interface. A dialog box titled "Create a View" is open in the center. It has a text input field labeled "Enter a View Name" containing the text "COMENTARIOS-USUARIOS". Below the input field are two buttons: "CANCEL" and "CREATE". The background interface shows the "sample\_mflix.comments" collection selected, with a "Project" aggregation stage active. The left sidebar shows the database structure, and the right sidebar shows document details and statistics.

## RETO 3

The screenshot shows the MongoDB Compass interface with the "sample\_mflix.COMENTARIOS-USUARIOS" view open. The view is displayed in a table format with columns for "name" and "text". The table contains six rows of data. The left sidebar shows the database structure, and the right sidebar shows document details and statistics.

| name           | text  |
|----------------|---|
| Andrea Le      | Rem officis eaque repellendus amet eos doloribus. Porro dolor volupta...  |
| Greg Powell    | Tenetur dolorum molestiae ea. Eligendi praesentium unde quod porro. Co... |
| Talisa Macgryn | Rem itaque ad sit rem voluptatibus. Ad fugiat maxime illum optio iure ... |
| Cameron Duran  | Quasi dicta culpa asperiores quaerat perferendis neque. Est animi pari... |
| Petryr Baelish | Quo deserunt ipsam ipsum. Tenetur eos nemo nam sint praesentium minus ... |
| Taylor Hill    | Neque repudiandae laborum earum ipsam facilis blanditiis voluptate. Al... |

## EJERCICIO SESION 7

MongoDB Compass - cluster0.o0mje.mongodb.net:27017/sample\_mflix.movies

Connect View Collection Help

Local

12 DBS 31 COLLECTIONS

cluster0-shard-00-01.o0mj...  
cluster0-shard-00-02.o0mj...  
cluster0-shard-00-02.o0mj...

HOSTS

cluster0-shard-00-01.o0mj...  
cluster0-shard-00-02.o0mj...  
cluster0-shard-00-02.o0mj...

CLUSTER

Replica Set (atlas-z46ch3-...)  
3 Nodes

EDITION

MongoDB 4.2.11 Enterprise

Filter your data

sample\_mflix

COMENTARIOS-USU...

comments

movies

sessions

theaters

users

sample\_restaurants

sample\_supplies

+

sample\_mflix.movies

Aggregations

DOCUMENTS 23.5k TOTAL SIZE 35.9MB AVG. SIZE 1.6KB INDEXES 2 TOTAL SIZE 13.2MB AVG. SIZE 6.6MB

Documents Aggregations Schema Explain Plan Indexes Validation

COLLATION Untitled-Modified SAVE

SAMPLE MODE AUTO PREVIEW

```
1 // **
2 * id: The id of the group.
3 * fieldN: The first field name.
4 */
5 {
6   $id: { countries: "$countries", genres: "$genres" },
7   total: {
8     $sum: 1
9   }
10 }
```

Output after \$group stage (Sample of 20 documents)

1 \_id: Object  
countries: "Netherlands"  
genres: "Action"  
total: 15

2 \_id: Object  
total: 8

ADD STAGE

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21:59  
15/12/2020