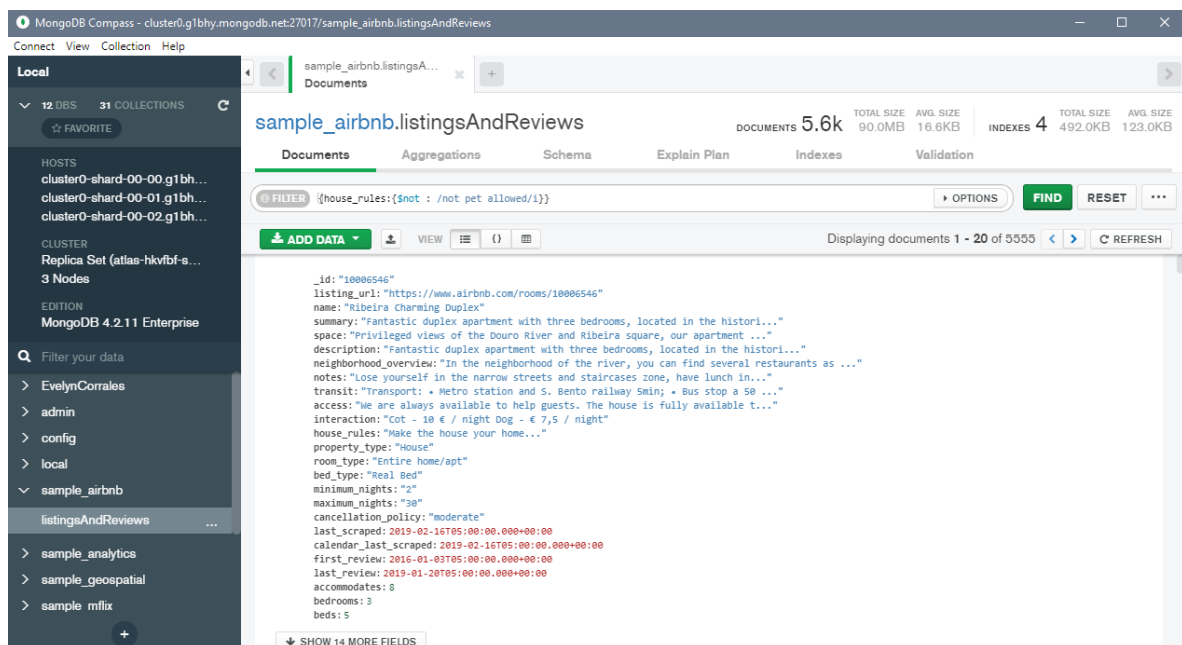
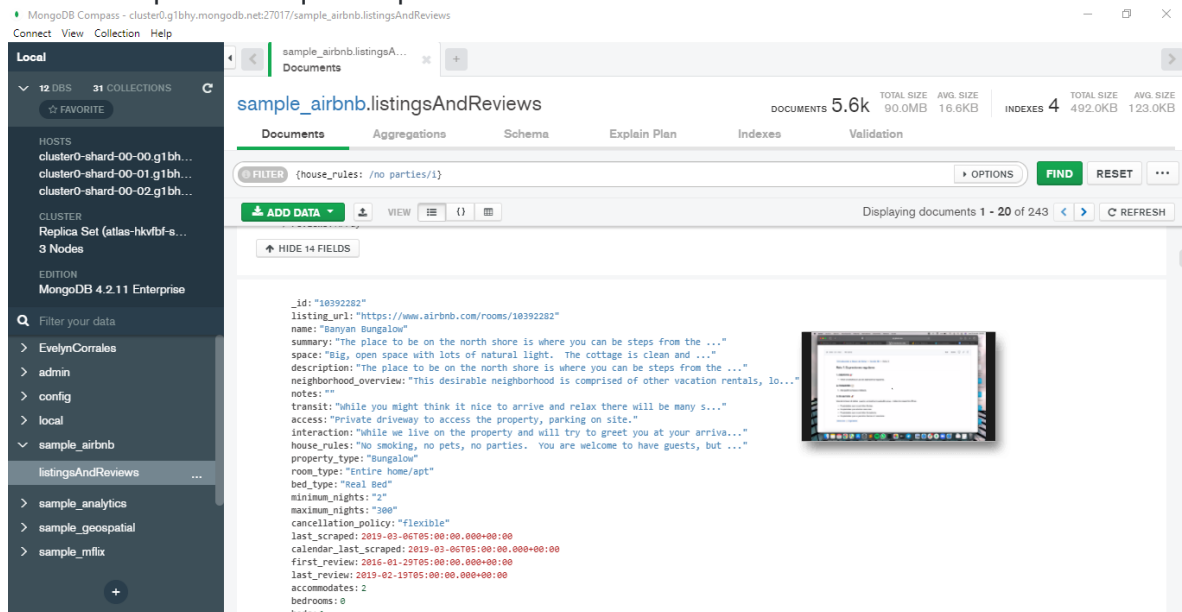


## Reto 1

Usando la base de datos `sample_airbnblistingsAndReviews`, realiza los siguientes filtros:

- Propiedades que no permitan fiestas.
- Propiedades que admitan mascotas.
- Propiedades que no permitan fumadores.
- Propiedades que no permitan fiestas ni fumadores.



MongoDB Compass - cluster0.g1bhy.mongodb.net:27017/sample\_airbnb.listingsAndReviews

Connect View Collection Help

Local

12 DBS 31 COLLECTIONS

☆ FAVORITE

HOSTS

- cluster0-shard-00-00.g1bh...
- cluster0-shard-00-01.g1bh...
- cluster0-shard-00-02.g1bh...

CLUSTER

Replica Set (atlas-hkvbf-s...)

3 Nodes

EDITION

MongoDB 4.2.11 Enterprise

Filter your data

- EvelynCorrales
- 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

FILTER {house\_rules: /no smoking/1}

ADD DATA VIEW

Displaying documents 1 - 20 of 639

HIDE 14 FIELDS

```
{
  "_id": "10083468",
  "listing_url": "https://www.airbnb.com/rooms/10083468",
  "name": "Be Happy in Porto",
  "summary": "Be Happy Apartment is an amazing space. Renovated and comfortable apar...",
  "space": "Be Happy Apartment is housed in a typical Porto building, where the ap...",
  "description": "Be Happy Apartment is an amazing space. Renovated and comfortable apar...",
  "neighborhood_overview": "Be happy in Porto" offers a quality accommodation to spend a few ple...",
  "notes": "",
  "transit": "When you arrive at Airport Francisco S\u00e1 Carneiro my advice to take the...",
  "access": "My guests have access to all apartment.",
  "interaction": "I'm always available with for my guests.",
  "house_rules": ". No smoking inside the apartment. . Is forbidden receive or lead stra...",
  "property_type": "Loft",
  "room_type": "Entire home/apt",
  "bed_type": "Real Bed",
  "minimum_nights": "2",
  "maximum_nights": "1125",
  "cancellation_policy": "moderate",
  "last_scraped": "2019-02-16T05:00:00.000+00:00",
  "calendar_last_scraped": "2019-02-16T05:00:00.000+00:00",
  "first_review": "2016-01-02T05:00:00.000+00:00",
  "last_review": "2019-02-09T05:00:00.000+00:00",
  "accommodates": 2
}
```

MongoDB Compass - cluster0.g1bhy.mongodb.net:27017/sample\_airbnb.listingsAndReviews

Connect View Collection Help

Local

12 DBS 31 COLLECTIONS

☆ FAVORITE

HOSTS

- cluster0-shard-00-00.g1bh...
- cluster0-shard-00-01.g1bh...
- cluster0-shard-00-02.g1bh...

CLUSTER

Replica Set (atlas-hkvbf-s...)

3 Nodes

EDITION

MongoDB 4.2.11 Enterprise

Filter your data

- EvelynCorrales
- 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

FILTER {house\_rules: /no parties.\*no smok/1}

ADD DATA VIEW

Displaying documents 1 - 20 of 54

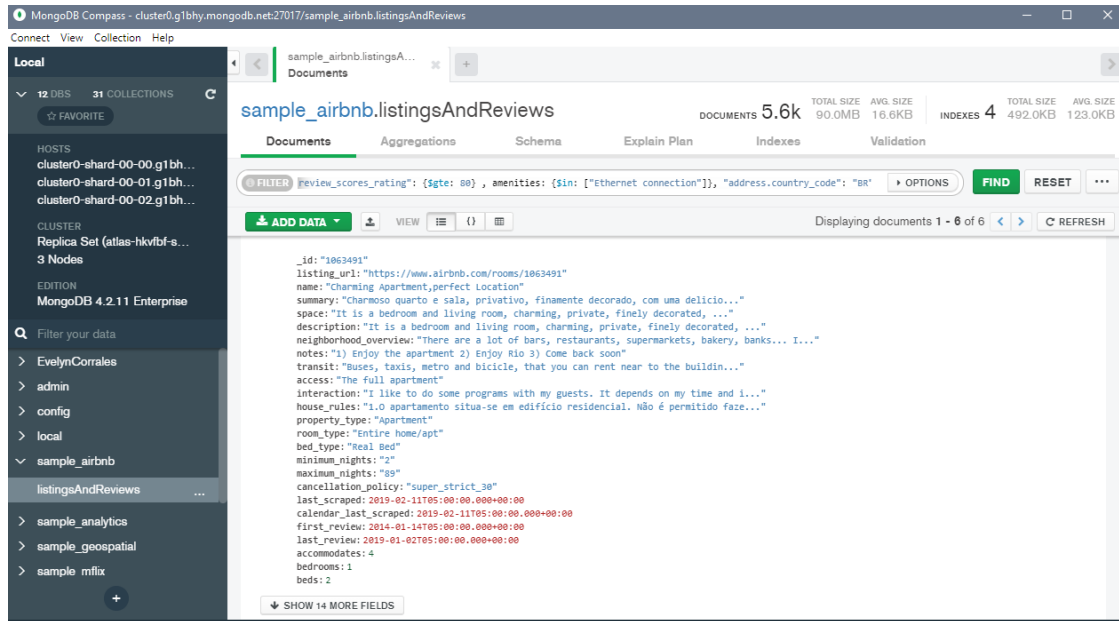
SHOW 16 MORE FIELDS

```
{
  "_id": "10423504",
  "listing_url": "https://www.airbnb.com/rooms/10423504",
  "name": "Bondi Beach Dreaming 3-Bed House",
  "summary": "This peaceful house in North Bondi is 300m to the beach and a minute's...",
  "space": "Serene space with three bedrooms, including a studio at the back, 300m...",
  "description": "This peaceful house in North Bondi is 300m to the beach and a minute's...",
  "neighborhood_overview": "North Bondi is laid back with great food and coffee. You can walk to 1...",
  "notes": "Please nominate the correct number of guests before you arrive. There ...",
  "transit": "There is parking for one car and a second car can be parked with a str...",
  "access": "The house has a front deck and back garden area. I can be flexible w...",
  "interaction": "The house is offered as a whole. I won't be around after I've checked ...",
  "house_rules": "Guests should have Airbnb verification at time of booking. We expect g...",
  "property_type": "House",
  "room_type": "Entire home/apt",
  "bed_type": "Real Bed",
  "minimum_nights": "2",
  "maximum_nights": "1125",
  "cancellation_policy": "strict_14_with_grace_period",
  "last_scraped": "2019-03-07T05:00:00.000+00:00",
  "calendar_last_scraped": "2019-03-07T05:00:00.000+00:00",
  "first_review": "2016-01-30T05:00:00.000+00:00",
  "last_review": "2018-11-11T05:00:00.000+00:00",
  "accommodates": 8,
  "bedrooms": 3,
  "beds": 6
}
```

>\_MongoSH Beta

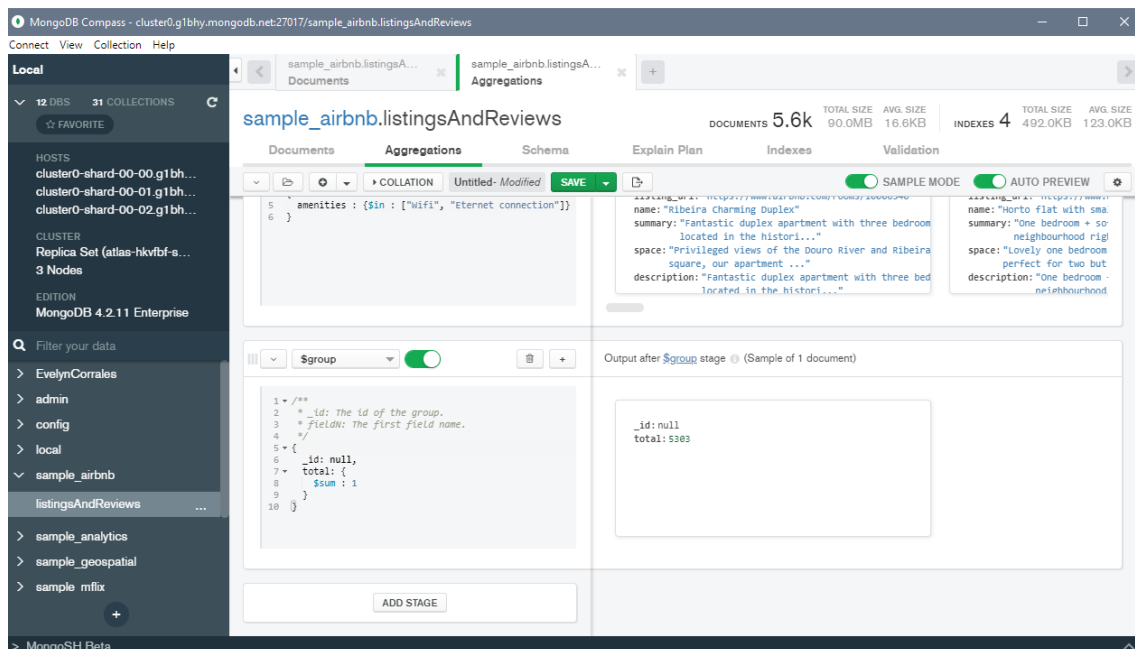
## Reto 2

Usando la colección `sample_airbnb.listingsAndReviews`, agrega un filtro que permita obtener todas las publicaciones que tengan 50 o más comentarios, que la valoración sea mayor o igual a 80, que cuenten con conexión a Internet vía cable y estén ubicada en Brazil.



## Reto 3

Usando la colección `sample_airbnb.listingsAndReviews`, mediante el uso de agregaciones, encontrar el número de publicaciones que tienen conexión a Internet, sea desde Wifi o desde cable (Ethernet).



## Ejercicio

Para este ejercicio deberás practicar en el uso de agregaciones, pues serán usadas durante la siguiente sesión.

La base de datos y colección que debes usar es `sample_airbnb.listingsAndReviews`. El ejercicio consiste en obtener todas las publicaciones que tengan 50 o más comentarios, que la valoración sea mayor o igual a 80, que cuenten con conexión a Internet vía cable y estén ubicadas en Brazil.

The screenshot shows the MongoDB Compass interface. The left sidebar displays the database structure: Local > 12 DBS > 33 COLLECTIONS > sample\_airbnb > listingsAndReviews. The main panel is titled 'sample\_airbnb.listingsAndReviews' and shows 'DOCUMENTS 5.6k', 'TOTAL SIZE 90.0MB', 'AVG. SIZE 16.6KB', and 'INDEXES 4'. The 'Aggregations' tab is active, showing a pipeline with two stages. The first stage is a query filter: 

```
1 // **
2 * query: The query in $match
3 //
4 *
5 amenities: { $in: ["Ethernet connection"] }
6 }
```

 The second stage is a \$match stage: 

```
1 // **
2 * query: The query in $match
3 //
4 *
5 "address.country_code": "BR"
6 }
```

 The output of the aggregation is displayed in a grid, showing sample documents. The first document has an \_id of "10091713" and a listing\_url of "https://www.airbnb.com/rooms/10091713". The second document has an \_id of "1063491" and a listing\_url of "https://www.airbnb.com/rooms/1063491". The third document has an \_id of "11740322" and a listing\_url of "https://www.airbnb.com/rooms/11740322".