

RETO 1A. Propiedades que no permitan fiestas.

db.net/sample_airbnb.listingsAndReviews

sample_mflix.users Documents sample_airbnb.listingsAndReviews Documents sample_airbnb.listingsAndReviews Documents sample_airbnb.listingsAndReviews Documents sample_airbnb.listingsAndReviews Documents

sample_airbnb.listingsAndReviews

DOCUMENTS 5.6k TOTAL SIZE 90.0MB AVG. SIZE 16.6KB INDEXES 4 TOTAL SIZE 552.0KB AVG. SIZE 138.0KB

Documents Aggregations Schema Explain Plan Indexes Validation

FILTER { \$or: [{ house_rules: /no parties/i }, { house_rules: /no party*/i }] }

ADD DATA VIEW

Displaying documents 1 - 20 of 311

```
{
  "_id": "1176693",
  "listing_url": "https://www.airbnb.com/rooms/1176693",
  "name": "BEST REVIEWS*BEST WALLS*SAFE STAY*DESIGN*CM*MTA",
  "summary": "Location is OUTSTANDING as MTR Causeway BAY is within 1 min walk. You ...",
  "space": "FACTS - located in the heart of one of Hong Kong's most bustling place...",
  "description": "Location is OUTSTANDING as MTR Causeway BAY is within 1 min walk. You ...",
  "neighborhood_overview": "This enigmatic city of skyscrapers, ancient traditions and heavenly fo...",
  "notes": "Please note that not every neighbor is happy about the New Sharing Eco...",
  "transit": "HOW TO GET TO CAUSEWAY BAY: By Public transport: MTR: Island Line: Tin...",
  "access": "The entire apartment with all amenities is accessible for my guests. A...",
  "interaction": "I will respond to your questions within very short notice. My reservat...",
  "house_rules": "Early check-in and late check-out is possible for an additional fee. P...",
  "property_type": "Apartment",
  "room_type": "Entire home/apt",
  "bed_type": "Real Bed",
  "minimum_nights": "2",
  "maximum_nights": "1124",
  "cancellation_policy": "strict_14_with_grace_period",
  "last_scraped": "2019-03-11T04:00:00.000+00:00",
  "calendar_last_scraped": "2019-03-11T04:00:00.000+00:00",
  "first_review": "2013-07-04T04:00:00.000+00:00",
  "last_review": "2018-07-29T04:00:00.000+00:00",
  "accommodates": 8,
  "bedrooms": 3,
  "beds": 4
}
```

SHOW 14 MORE FIELDS

```
{
  "_id": "11764681",
  "listing_url": "https://www.airbnb.com/rooms/11764681"
}
```

RETO 1B. Propiedades que admitan mascotas.

db.net/sample_airbnb.listingsAndReviews

sample_mflix.users Documents sample_airbnb.listingsAndReviews Documents sample_airbnb.listingsAndReviews Documents sample_airbnb.listingsAndReviews Documents

sample_airbnb.listingsAndReviews

DOCUMENTS 5.6k TOTAL SIZE 90.0MB AVG. SIZE 16.6KB INDEXES 4 TOTAL SIZE 552.0KB AVG. SIZE 138.0KB

Documents Aggregations Schema Explain Plan Indexes Validation

FILTER { house_rules: /no pets/i }

ADD DATA VIEW

Displaying documents 1 - 20 of 257

```
{
  "listing_url": "https://www.airbnb.com/rooms/18998268",
  "name": "Private Entrance - Backyard Summer Dining - Enjoy",
  "summary": "If you appreciate the natives in the outer boroughs, we appreciate you...",
  "space": "TRANSPORTATION IS SO IMPORTANT - APARTMENT IS LOCATED TO EASY AND CON...",
  "description": "If you appreciate the natives in the outer boroughs, we appreciate you...",
  "neighborhood_overview": "Neighborhood is a diverse culture/eclectic with townhouses, apartment ...",
  "notes": "IMPORTANT (website hidden by Airbnb) The Queen size bed is a Select com...",
  "transit": "Transportation is EXCELLENT! Easy access to Manhattan.",
  "access": "Backyard access. Due to construction in the area, the yard has been co...",
  "interaction": "We respect your privacy so will not interfere with your visit. We are ...",
  "house_rules": "No smoking, No pets. Sanitary napkins, tampons and Bounty napkins mus...",
  "property_type": "Townhouse",
  "room_type": "Entire home/apt",
  "bed_type": "Real Bed",
  "minimum_nights": "7",
  "maximum_nights": "29",
  "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": "2013-08-17T04:00:00.000+00:00",
  "last_review": "2019-03-04T05:00:00.000+00:00",
  "accommodates": 2,
  "bedrooms": 1,
  "beds": 2
}
```

SHOW 16 MORE FIELDS

```
{
  "_id": "18998268",
  "listing_url": "https://www.airbnb.com/rooms/18998268",
  "name": "The Executive Posh Room",
  "summary": "Our Cozy Executive Posh 1 large bedroom in private house with queen ..."
}
```

RETO 1C. Propiedades que no permitan fumadores.

db.net/sample_airbnb.listingsAndReviews

sample_mflix.users Documents sample_airbnb.listingsAndReviews Documents sample_airbnb.listingsAndReviews Documents sample_airbnb.listingsAndReviews Documents sample_airbnb.listingsAndReviews Documents

sample_airbnb.listingsAndReviews

Documents Aggregations Schema Explain Plan Indexes Validation

5.6k DOCUMENTS 90.0MB TOTAL SIZE 16.6KB AVG. SIZE INDEXES 4 552.0KB TOTAL SIZE 138.0KB AVG. SIZE

FILTER (house_rules: /no smoke*/i)

ADD DATA VIEW

Displaying documents 1 - 20 of 648

```
{
  "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": "2019-02-19T05:00:00.000+00:00",
  "calendar_last_scraped": "2019-02-19T05:00:00.000+00:00",
  "first_review": "2016-01-02T05:00:00.000+00:00",
  "last_review": "2019-02-09T05:00:00.000+00:00",
  "accommodates": 2,
  "bedrooms": 1,
  "beds": 1
}
```

SHOW 14 MORE FIELDS

```
{
  "_id": "10091713",
  "listing_url": "https://www.airbnb.com/rooms/10091713",
  "name": "Surry Hills Studio - Your Perfect Base in Sydney",
  "summary": "This spacious, light filled studio has everything you need to enjoy Sy...",
  "space": "Comfortable studio with a great layout. The bathroom has a full size b...",
  "description": "This spacious, light filled studio has everything you need to enjoy Sy...",
  "neighborhood_overview": "Surry Hills is a vibrant eclectic community and an amazing place to li...",
  "notes": "Wifi, Apple TV with Netflix App (for use with your own iTunes / Netflix...",
  "transit": "Travel Card 'Opal' travel cards work on all Sydney public transport (t..."
}
```

RETO 1D. Propiedades que no permitan fiestas ni fumadores.

db.net/sample_airbnb.listingsAndReviews

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sample_airbnb.listingsAndReviews

Documents Aggregations Schema Explain Plan Indexes Validation

5.6k DOCUMENTS 90.0MB TOTAL SIZE 16.6KB AVG. SIZE INDEXES 4 552.0KB TOTAL SIZE 138.0KB AVG. SIZE

FILTER [{"and":[{"house_rules:/no smoking/i}, {"house_rules:/no parties/i}]}]

ADD DATA VIEW

Displaying documents 1 - 20 of 124

```
{
  "_id": "18932282",
  "listing_url": "https://www.airbnb.com/rooms/18932282",
  "name": "Banyan Bungalow",
  "summary": "The place to be on the north shore is where you can be steps from the ...",
  "space": "Big, open space with lots of natural light. The cottage is clean and ...",
  "description": "The place to be on the north shore is where you can be steps from the ...",
  "neighborhood_overview": "This desirable neighborhood is comprised of other vacation rentals, lo...",
  "notes": "",
  "transit": "While you might think it nice to arrive and relax there will be many s...",
  "access": "Private driveway to access the property, parking on site.",
  "interaction": "While we live on the property and will try to greet you at your arriva...",
  "house_rules": "No smoking, no pets, no parties. You are welcome to have guests, but ...",
  "property_type": "Bungalow",
  "room_type": "Entire home/apt",
  "bed_type": "Real Bed",
  "minimum_nights": "2",
  "maximum_nights": "300",
  "cancellation_policy": "flexible",
  "last_scraped": "2019-03-06T05:00:00.000+00:00",
  "calendar_last_scraped": "2019-03-06T05:00:00.000+00:00",
  "first_review": "2016-01-29T05:00:00.000+00:00",
  "last_review": "2019-02-19T05:00:00.000+00:00",
  "accommodates": 2,
  "bedrooms": 0,
  "beds": 1
}
```

SHOW 14 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..."
}
```

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.

The screenshot shows the MongoDB Compass interface for the `sample_airbnb.listingsAndReviews` collection. The filter bar contains the following query:

```
{ "number_of_reviews": { "$gte": 50 }, "address.country": "Brazil", "amenities": { "$in": [ "Ethernet" ] }, "review_scores.review_scores_rating": { "$gte": 80 } }
```

The interface shows 5.6k documents, 90.0MB total size, 16.6KB average size, and 4 indexes. The document viewer displays two sample documents with their full JSON structure, including fields like `_id`, `listing_url`, `name`, `summary`, `space`, `description`, `neighborhood_overview`, `notes`, `transit`, `access`, `interaction`, `house_rules`, `property_type`, `room_type`, `bed_type`, `minimum_nights`, `maximum_nights`, `cancellation_policy`, `last_scraped`, `calendar_last_scraped`, `first_review`, `last_review`, `accommodates`, `bedrooms`, and `beds`.

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).

The screenshot shows the MongoDB Compass interface for the `sample_airbnb.listingsAndReviews` collection, displaying two aggregation pipelines.

Aggregation Pipeline 1: \$match

The pipeline starts with a `$match` stage. The query is:

```
{ "amenities": { "$in": [ "Wifi", "Ethernet" ] } }
```

The output shows a sample of 20 documents, including details like `_id`, `listing_url`, `name`, `summary`, `space`, `description`, `neighborhood_overview`, and `amenities`.

Aggregation Pipeline 2: \$group

The pipeline continues with a `$group` stage. The query is:

```
{ "_id": null, "total": { "$sum": 1 } }
```

The output shows a single document with the following structure:

```
{ "_id": null, "total": 5303 }
```