

### ### Ejercicio 01

```
{  
  
  house_rules: /No Parties/i  
  
}
```

FILTER {house\_rules: /No Parties/i} OPTIONS FIND RESET ...

ADD DATA VIEW {}

Displaying documents 1 - 20 of 243 REFRESH

```
{  
  "_id": "103161"  
  "listing_url": "https://www.airbnb.com/rooms/103161"  
  "name": "Cozy Art Top Floor Apt in PRIME Williamsburg!"  
  "summary": "My Apt it's right in the middle of the best and hot spots in the heart..."  
  "space": "Hi there! This is a cozy and impeccable one bedroom apartment in the h..."  
  "description": "My Apt it's right in the middle of the best and hot spots in the heart..."  
  "neighborhood_overview": "Bedford Avenue is the neighborhood's main thoroughfare, with its colle..."  
  "notes": "CHECK OUT: It is always at 11:00 am because my cleaning lady comes at ..."   
  "transit": "Yes, there is plenty of public transportation around. 5 metro lines: ..."   
  "access": "To the all Apt less my personal things. No closet available."   
  "interaction": "As much as they need my help and guidance."   
  "house_rules": "-SMOKE is NOT allowed inside the Apt. -NO parties are allowed. -NO Kid..."   
  "property_type": "Apartment"  
  "room_type": "Entire home/apt"  
  "bed_type": "Real Bed"  
  "minimum_nights": "2"  
  "maximum_nights": "300"  
  "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": 2013-09-21T04:00:00.000+00:00  
  "last_review": 2019-02-18T05:00:00.000+00:00  
  "accommodates": 2  
  "bedrooms": 1  
  "beds": 2  
}
```

SHOW 14 MORE FIELDS

```
{  
  "_id": "10392282"  
  "listing_url": "https://www.airbnb.com/rooms/10392282"  
  "name": "Banyan Bungalow"  
  "summary": "The place to be on the north shore is where you can be steps from the ..."
```

FILTER {house\_rules: /Pets Allowed/i} OPTIONS FIND RESET ...

ADD DATA VIEW {}

Displaying documents 1 - 20 of 59 REFRESH

```
{  
  "_id": "11197217"  
  "listing_url": "https://www.airbnb.com/rooms/11197217"  
  "name": "2 Bedroom Ipanema-Copacabana"  
  "summary": "Our apartment is strategically located between the beaches of Copacaba..."  
  "space": ""  
  "description": "Our apartment is strategically located between the beaches of Copacaba..."  
  "neighborhood_overview": ""  
  "notes": ""  
  "transit": ""  
  "access": ""  
  "interaction": ""  
  "house_rules": "We would appreciate if the guest, as leaving the apartment even for a ..."   
  "property_type": "Apartment"  
  "room_type": "Entire home/apt"  
  "bed_type": "Real Bed"  
  "minimum_nights": "4"  
  "maximum_nights": "30"  
  "cancellation_policy": "moderate"  
  "last_scraped": 2019-02-11T05:00:00.000+00:00  
  "calendar_last_scraped": 2019-02-11T05:00:00.000+00:00  
  "first_review": 2016-08-23T04:00:00.000+00:00  
  "last_review": 2018-02-15T05:00:00.000+00:00  
  "accommodates": 5  
  "bedrooms": 2  
  "beds": 5  
}
```

SHOW 14 MORE FIELDS

```
{  
  "_id": "12259367"  
  "listing_url": "https://www.airbnb.com/rooms/12259367"  
  "name": "STUDIO APARTMENT + WIFI!!!!"  
  "summary": "This fully furnished apartment includes marble bathroom with shower, k..."
```

FILTER `{house_rules: /No Smoking/i}` OPTIONS FIND RESET ...

ADD DATA VIEW `{}` `[]` `☰` Displaying documents 1 - 20 of 639 C REFRESH

```

_id: "1003530"
listing_url: "https://www.airbnb.com/rooms/1003530"
name: "New York City - Upper West Side Apt"
summary: ""
space: "Murphy bed, optional second bedroom available. Wifi available, Hulu, N..."
description: "Murphy bed, optional second bedroom available. Wifi available, Hulu, N..."
neighborhood_overview: "Great neighborhood - many terrific restaurants, bakeries, bagelries. W..."
notes: "My cat, Samantha, are in and out during the summer. The apt is layed ..."
transit: "Conveniently located near 1, 2, 3, B & C subway lines. Also buses on C..."
access: "New York City!"
interaction: ""
house_rules: "No smoking is permitted in the apartment. All towels that are used sho..."
property_type: "Apartment"
room_type: "Private room"
bed_type: "Real Bed"
minimum_nights: "12"
maximum_nights: "360"
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: 2013-04-29T04:00:00.000+00:00
last_review: 2018-08-12T04:00:00.000+00:00
accommodates: 2
bedrooms: 1
beds: 1

```

SHOW 14 MORE FIELDS

```

_id: "10083468"
listing_url: "https://www.airbnb.com/rooms/10083468"
name: "Be Happy in Porto"

```

FILTER `{house_rules: /No Smoking/No Parties/i}` OPTIONS FIND RESET ...

ADD DATA VIEW `{}` `[]` `☰` Displaying documents 1 - 20 of 758 C REFRESH

```

_id: "1003530"
listing_url: "https://www.airbnb.com/rooms/1003530"
name: "New York City - Upper West Side Apt"
summary: ""
space: "Murphy bed, optional second bedroom available. Wifi available, Hulu, N..."
description: "Murphy bed, optional second bedroom available. Wifi available, Hulu, N..."
neighborhood_overview: "Great neighborhood - many terrific restaurants, bakeries, bagelries. W..."
notes: "My cat, Samantha, are in and out during the summer. The apt is layed ..."
transit: "Conveniently located near 1, 2, 3, B & C subway lines. Also buses on C..."
access: "New York City!"
interaction: ""
house_rules: "No smoking is permitted in the apartment. All towels that are used sho..."
property_type: "Apartment"
room_type: "Private room"
bed_type: "Real Bed"
minimum_nights: "12"
maximum_nights: "360"
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: 2013-04-29T04:00:00.000+00:00
last_review: 2018-08-12T04:00:00.000+00:00
accommodates: 2
bedrooms: 1
beds: 1

```

SHOW 14 MORE 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..."

```

### ### Ejercicio 02

```
{
```

```
  filter: {
```

```
    'review_scores.review_scores_rating': {
```

```

    $gte: 80
  },
  number_of_reviews: {
    $gte: 50
  },
  amenities: {
    $in: [
      RegExp('ethernet', i)
    ]
  },
  'address.country_code': 'BR'
},
project: {
  name: 1,
  number_of_reviews: 1,
  review_scores: 1,
  amenities: 1,
  address: 1
}
}

```

###RETO 03

```

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

```

```

$group: {
  _id: null,
  total: {
    $sum: 1
  }
}
}
}

```

**FILTER** `review_scores_rating: {$gte: 80}, amenities: {$in: [/Ethernet/]}, "address.country_code": "BR"` **OPTIONS** **FIND** **RESET** **...**

**ADD DATA** **VIEW** **LIST** **JSON** **GRID** **Displaying documents 1 - 6 of 6** **REFRESH**

>

```

_id: "1063491"
listing_url: "https://www.airbnb.com/rooms/1063491"
name: "Charming Apartment,perfect Location"
summary: "Charmoso quarto e sala, privativo, finamente decorado, com uma delicio..."
space: "It is a bedroom and living room, charming, private, finely decorated, ..."
description: "It is a bedroom and living room, charming, private, finely decorated, ..."
neighborhood_overview: "There are a lot of bars, restaurants, supermarkets, bakery, banks... I..."
notes: "1) Enjoy the apartment 2) Enjoy Rio 3) Come back soon"
transit: "Buses, taxis, metro and bicycle, that you can rent near to the buildin..."
access: "The full apartment"
interaction: "I like to do some programs with my guests. It depends on my time and i..."
house_rules: "1.0 apartamento situa-se em edificio residencial. Não é permitido faze..."
property_type: "Apartment"
room_type: "Entire home/apt"
bed_type: "Real Bed"
minimum_nights: "2"
maximum_nights: "89"
cancellation_policy: "super_strict_30"
last_scraped: 2019-02-11T05:00:00.000+00:00
calendar_last_scraped: 2019-02-11T05:00:00.000+00:00
first_review: 2014-01-14T05:00:00.000+00:00
last_review: 2019-01-02T05:00:00.000+00:00
accommodates: 4
bedrooms: 1
beds: 2

```

SHOW 14 MORE FIELDS

```

_id: "11740322"
listing_url: "https://www.airbnb.com/rooms/11740322"
name: "★Cozy doble bedroom ★Nearby Christ the Redeemer★"
summary: "Stay in a quiet place with great location! Free wifi access throughout "

```

Reto 03

Output after `$match` stage ⓘ (Sample of 20 documents)

```
www.airbnb.com/rooms/10066928"
eur du Plateau"
ment comporte 3 chambres avec
queen. Nous ..."
est lumineux, plein de vie et
disposer..."
artement comporte 3 chambres ave
lit queen. Nous ..."
```

```
_id: "10069642"
listing_url: "https://www.airbnb.com/rooms/10069642"
name: "Ótimo Apto proximo Parque Olimpico"
summary: "Apartamento próximo ao centro dos Jogos Olímpicos de 2016 a 6 Km do Parque..."
space: ""
description: "Apartamento próximo ao centro dos Jogos Olímpicos de 2016 a 6 Km do Parque..."
neighborhood_overview: ""
```

Output after `$group` stage ⓘ (Sample of 1 document)

```
_id: null
total: 5303
```

```
[{$match: {
  amenities: {$in: ["Wifi", "Ethernet"]}
}}, {$group: {
  _id: null,
  total: {
    $sum: 1
  }
}}]
```