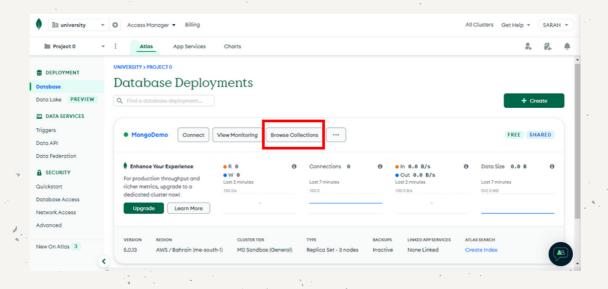
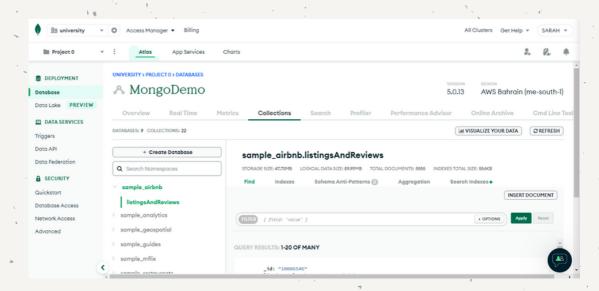


Load sample datasets







USING THE SAMPLE DATASETS LOADED INTO MongoDB CLUSTER



sample_supplies.sales

```
$project: {
 _id: 0,
 storeLocation: 1,
 customer: 1,
 couponUsed: 1,
 purchaseMethod: 1
$match: {
 couponUsed: true,
 purchaseMethod: 'Online',
 'customer.gender': 'F',
 'customer.age': {
 $lt: 45
 },
 storeLocation: {
  $in: [
  'London',
  'Denver'
}, {
$group: {
 _id: '$storeLocation',
 avg_satisfaction: {
 $avg: '$customer.satisfaction'
 num: {
 $sum: 1
```

}]

The customers use coupon and purchase Method is Online, who gender is female and buys from two storeLocation (Denver or London) and age is under 45, the avarage satisfaction from 5 scale was in Denver=3.6 and in London=4.5, the total number achieve this query only 23.



sample_restaurants.restaurants

```
$project: {
 _id: 0,
 borough: 1,
 cuisine: 1,
 grades: 1,
 name: 1
 $match:"{
 cuisine: {
  $in: [
  'American',
  'Chinese',
   'Café/Coffee/Tea',
  'Pizza',
  'Italian'
 'grades.score': {
 $lt: 5
 borough: {
 $in: [
  'Queens',
  'Staten Island',
  'Brooklyn'
 $group: {
 _id: '$cuisine',
 count: {
 $sum: 1
```

}]

This query is comparing between 3 borough [Queens,Staten Island,Brooklyn], and look to the type of the cuisine provide from the to 5 cuisine [American,Chinese,Café/Coffee/Tea,Pizza,I talian], if the grade score less than 5 will classify them as bad restaurants.



sample_restaurants.restaurants

_id: "Italian" count: 85 _id: "Pizza" count: 212

_id: "American" count: 843 _id: "Chinese" count: 417

id: "Café/Coffee/Tea"

count: 224



American

Chinese

Café/Coffee/Tea

Pizza

Italian