S17 T01: Bases de dades relacionals – *Eduardo Baffi*

*Descripció**

Comencem a familiaritzar-nos amb bases de dades NoSQL !!! Comencem amb uns quants exercicis bàsics

Nivell 1

- Exercici 1

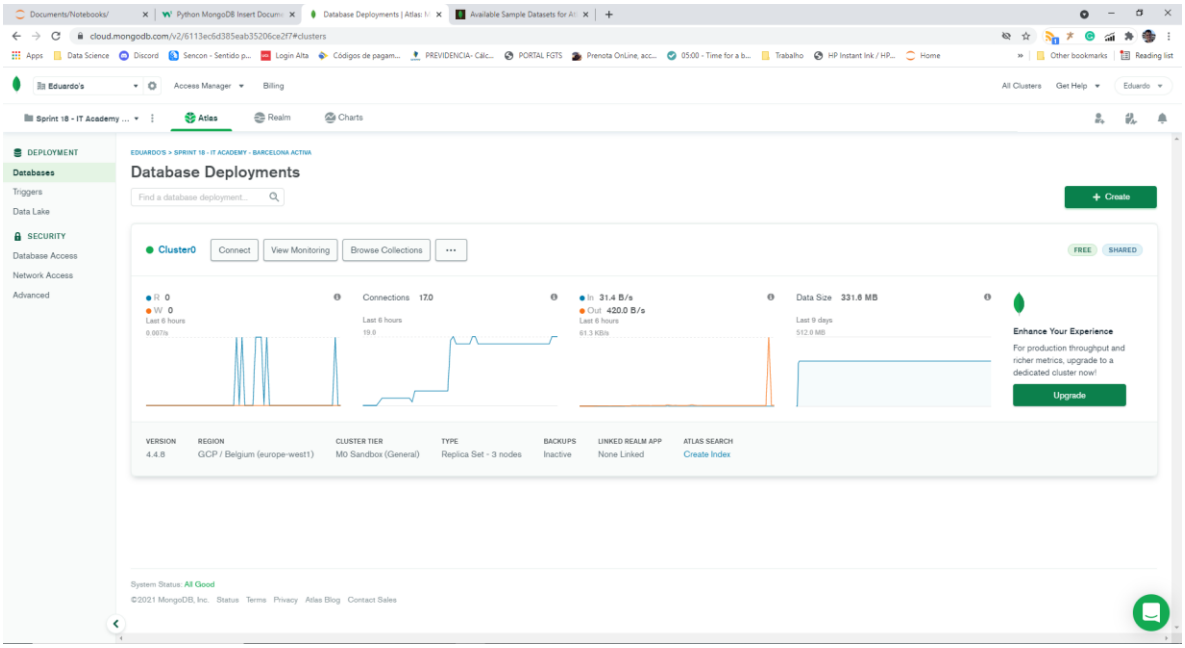
Crea una base de dades NoSQL utilitzant MongoDB. Afegeix-li algunes dades d'exemple que et permetin comprovar que ets capaç de processar-ne la informació de manera bàsica.

This exercise was done using the visual environment of *MongoDB Compass.* The following steps were followed:

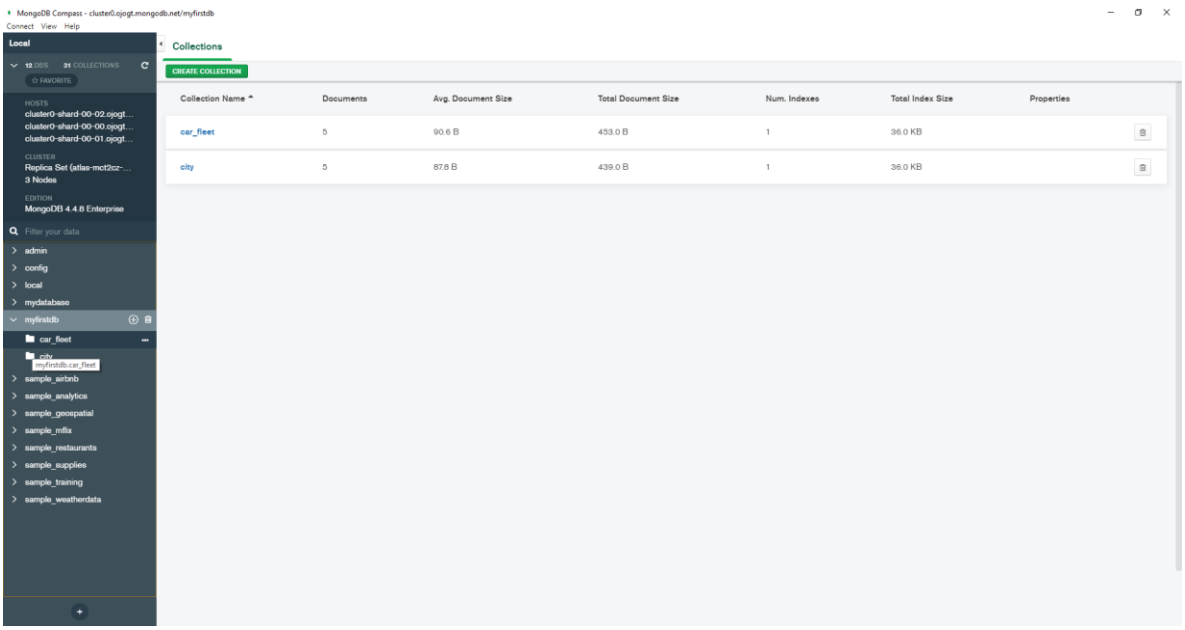
1. Install MongoDB Compass.
2. *Create a database called myfirstdb.*
3. *Create two collections ("car_fleet" and "city").*
4. *Insert brief documents on both collections.*
5. *Load a sample dataset directly on MongoDB Atlas (Cloud Database). The sample includes eight databases containing data about different sectors.*

Some screenshots of the MongoDB Atlas and Compass interfaces are shown below:

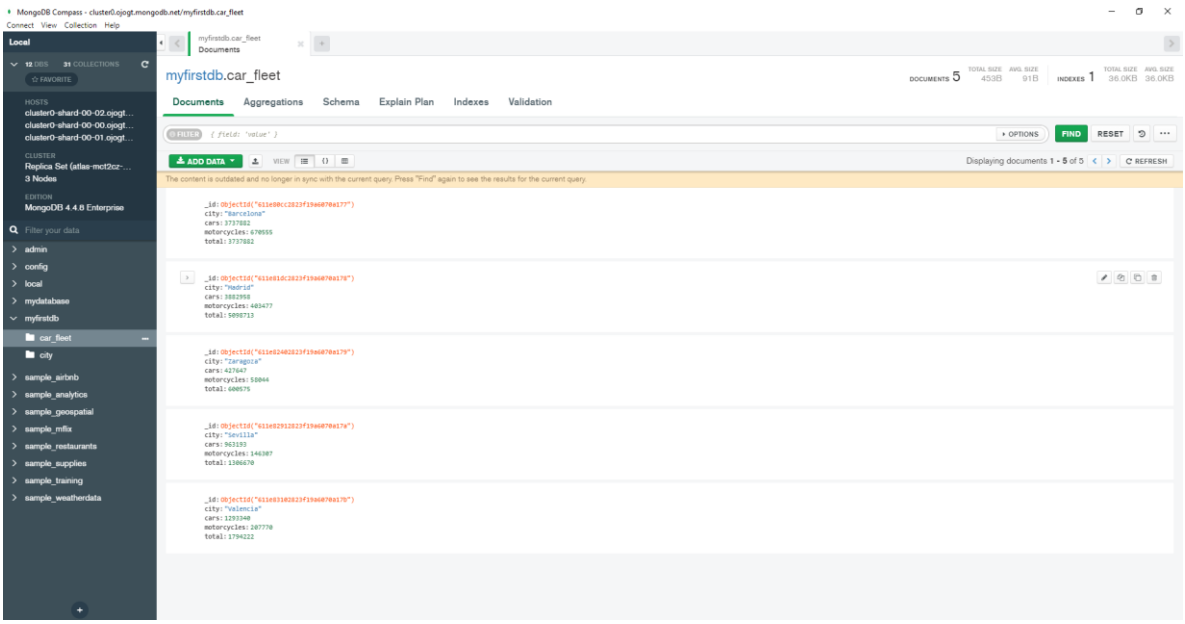
Cluster0 Overview



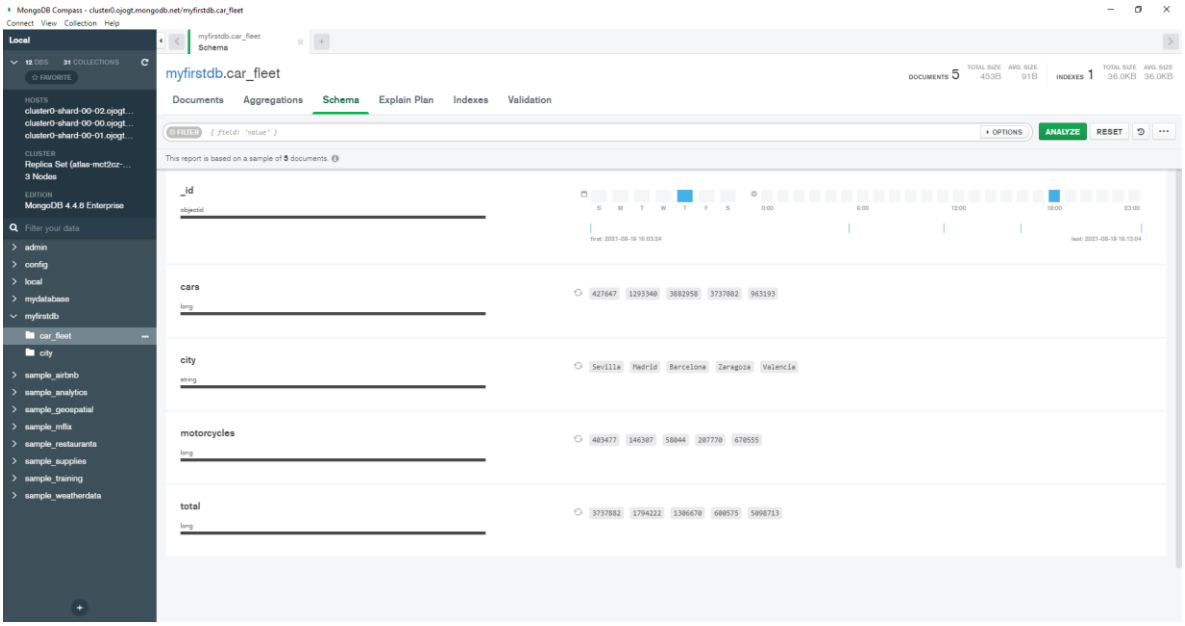
Myfirstdb Database



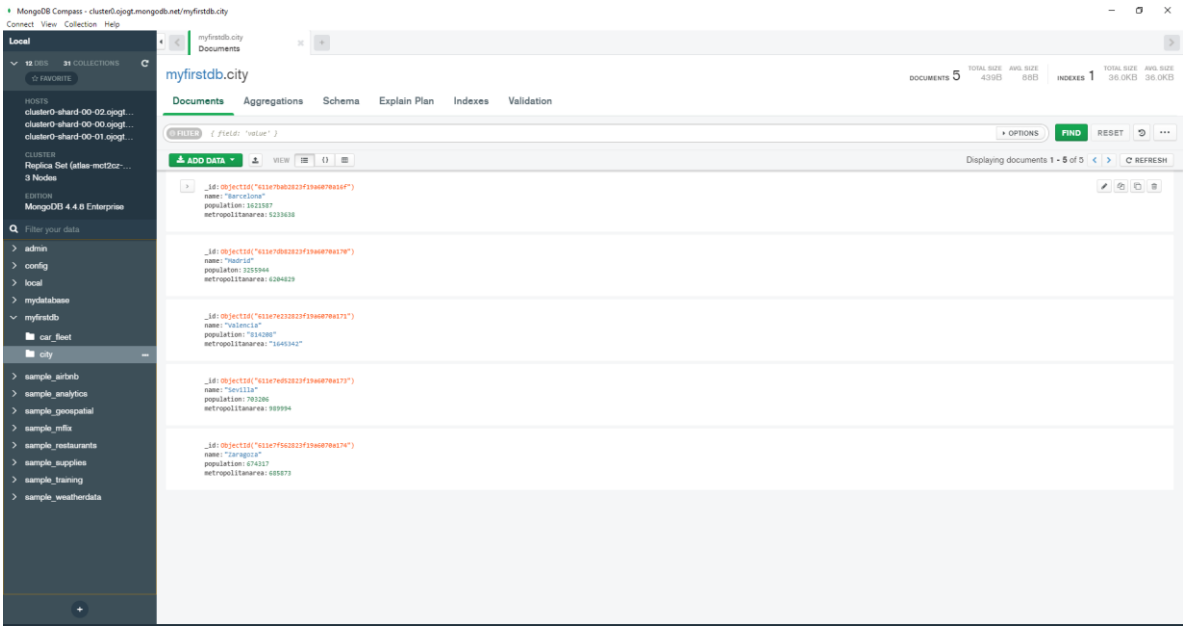
- *car_fleet* collection documents



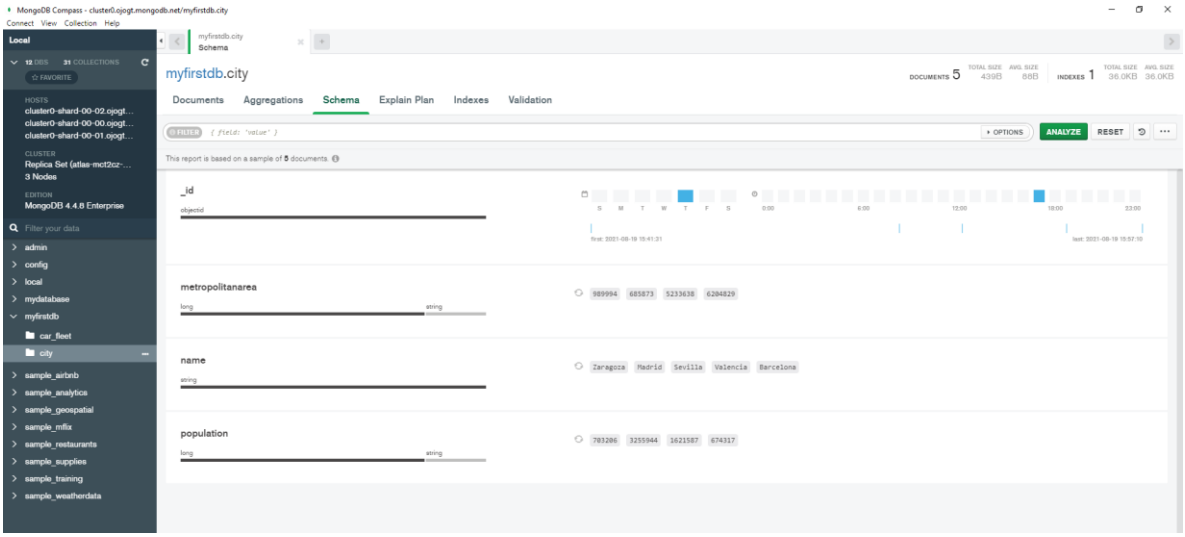
- *car_fleet* collection schema



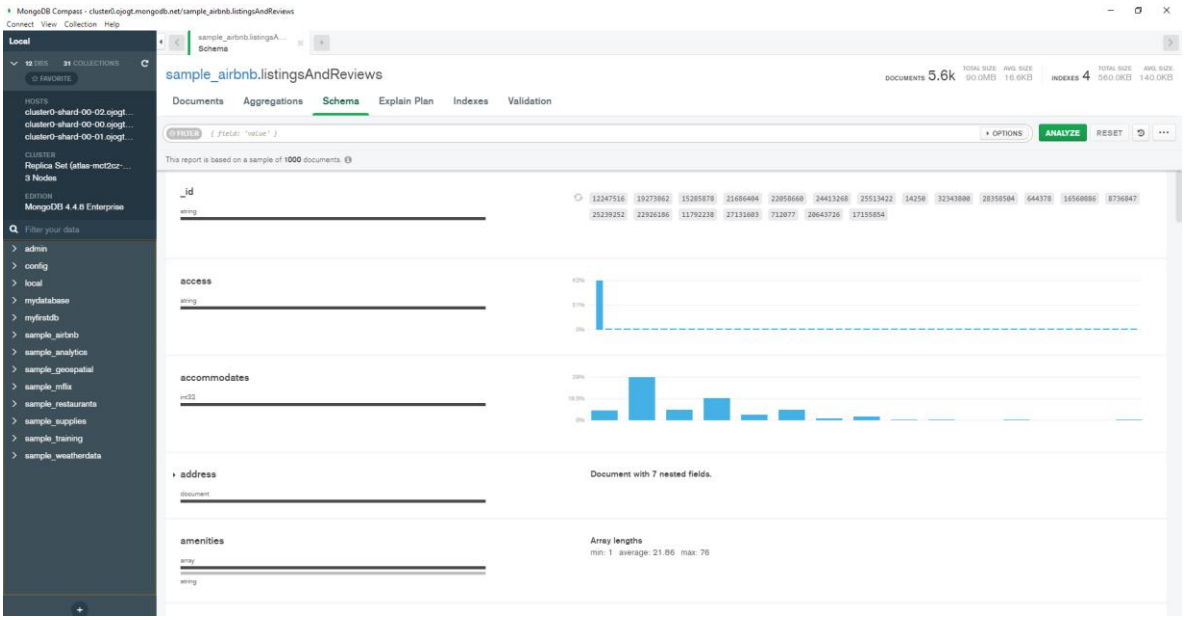
- *city* collection documents



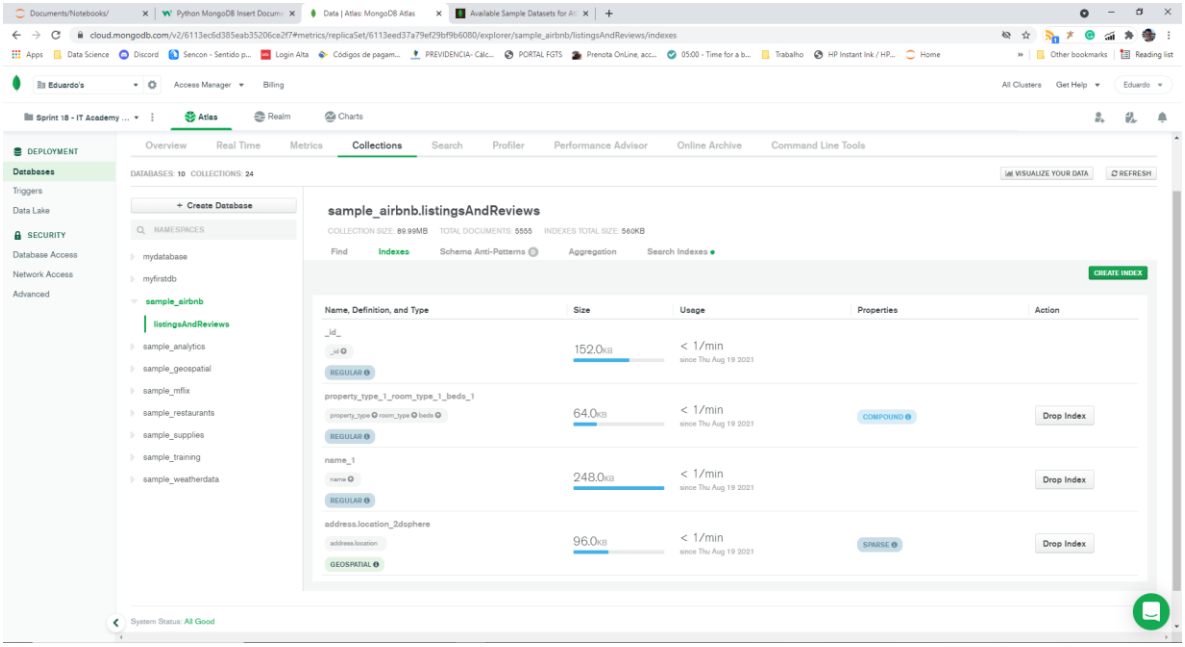
- *city* collection schema

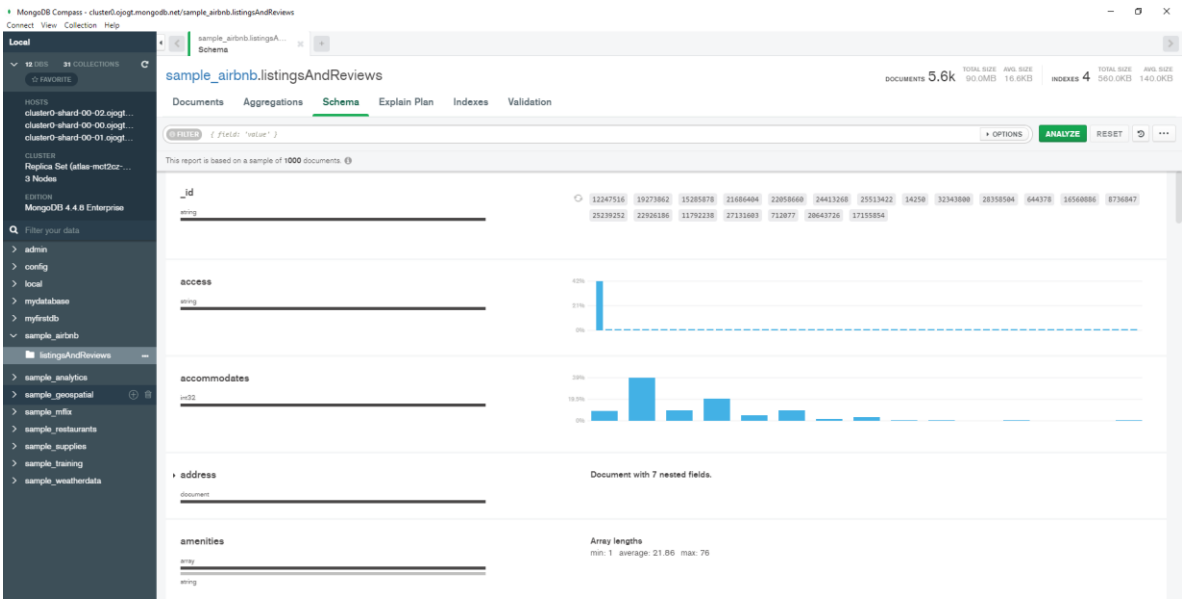


Examples of Sample Databases

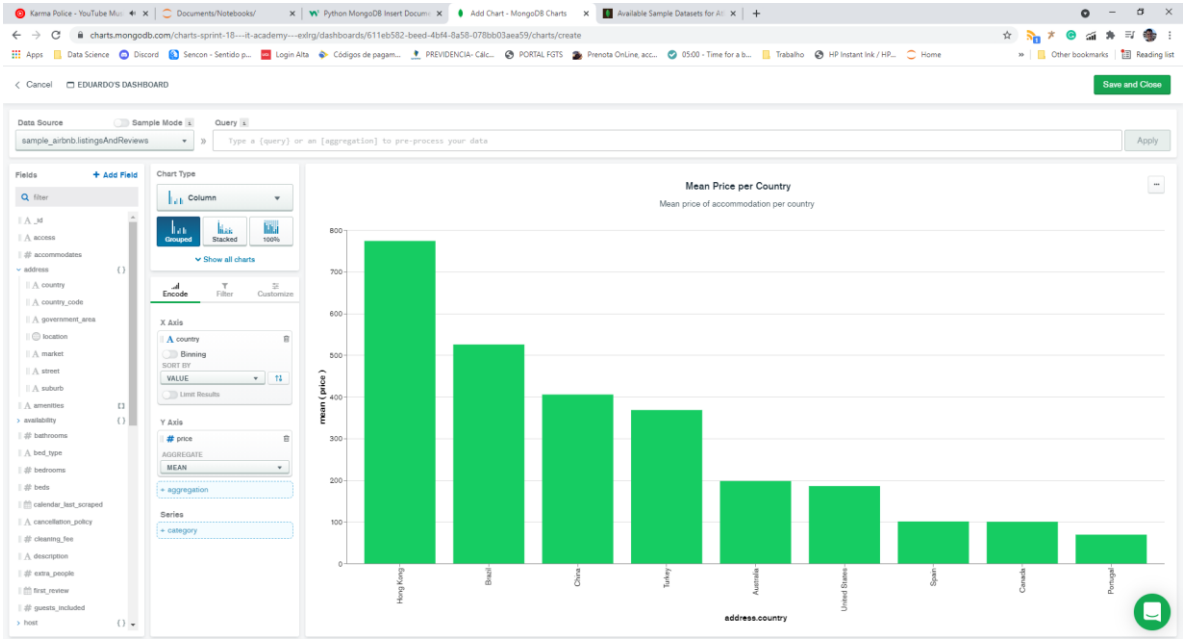


- *sample_airbnb*

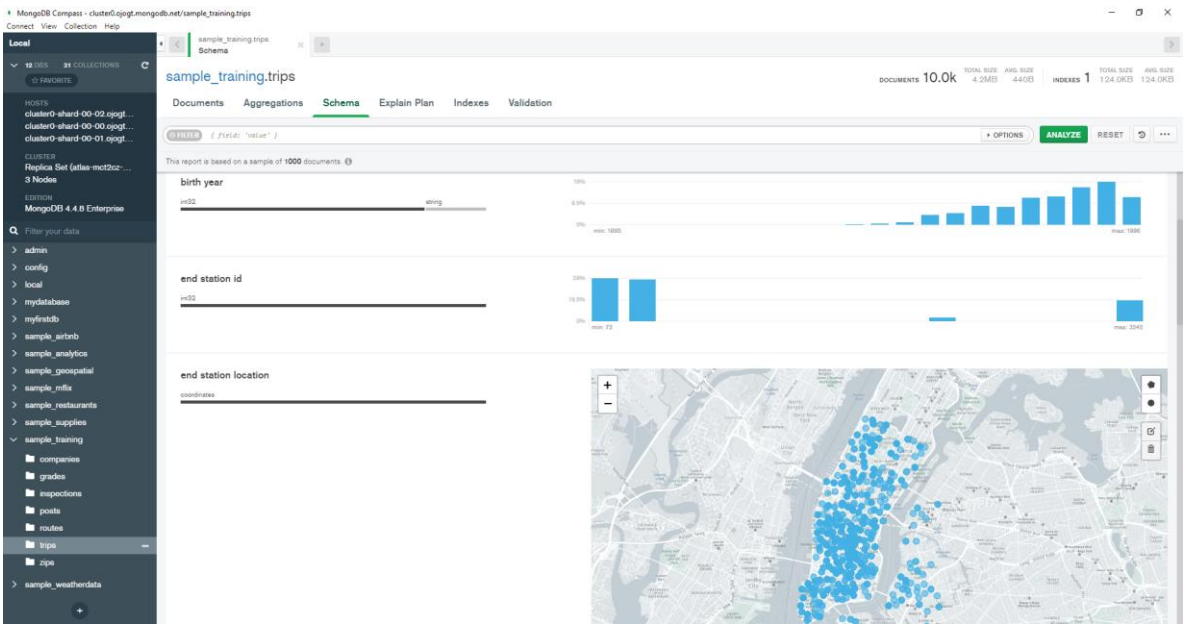




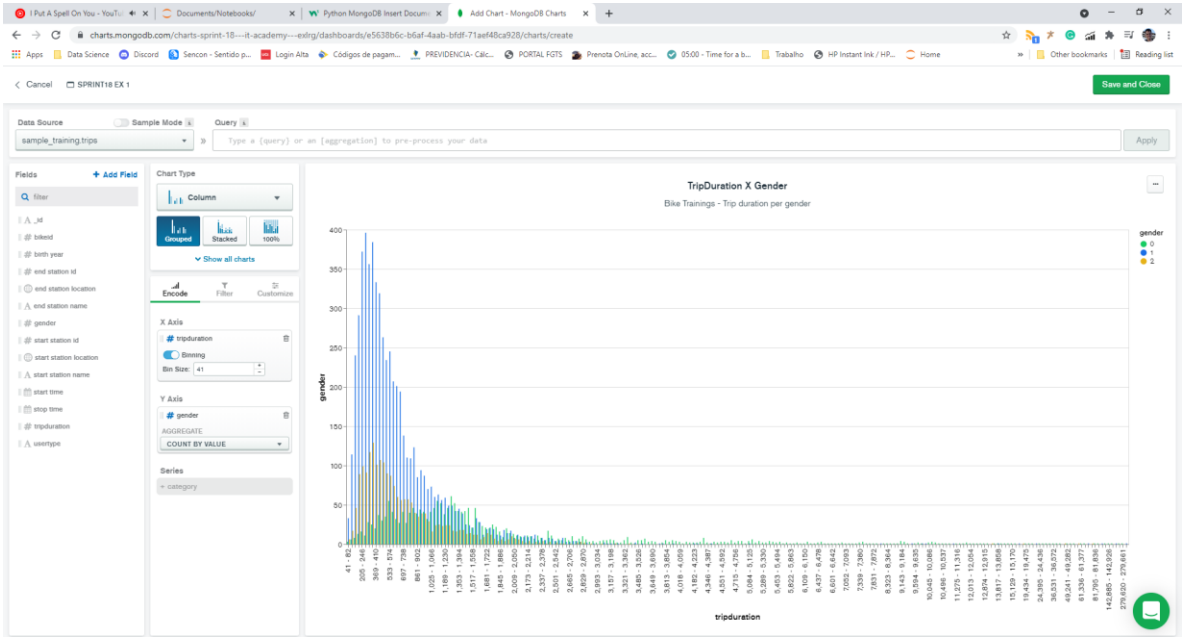
- *sample_airbnb using MongoDB Chart*



- *sample_training*



- *sample_training* Chart



***The rest of the exercises were done in a *Jupyter Notebook* and the file is available on *GitHub*.**