

S19 T01: Visualització interactiva amb ElasticSearch Stack – Eduardo Baffi

Descripció*

Comencem a familiaritzar-nos la visualització interactiva de gràfics mitjançant Kibana.

Nivell 1

- Exercici 1

Descarrega't Kibana i mostra algunes gràfiques utilitzant conjunts de dades d'Exemple.

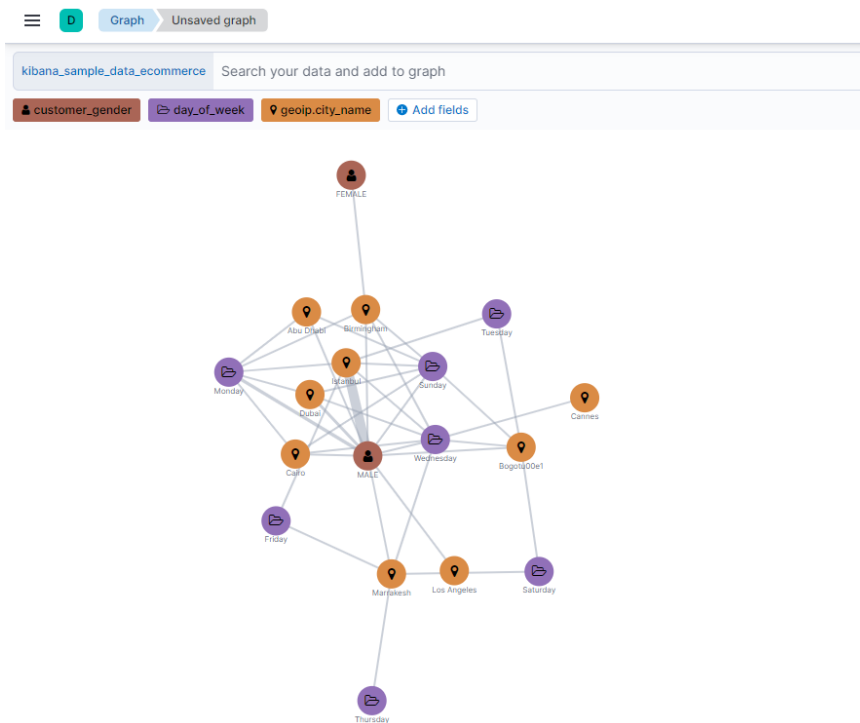
This exercise was done using the cloud solution of Kibana. The following steps were followed:

1. Create an account to start a free Elastic Cloud trial.
2. Create a deployment
3. Add sample data sets Create two collections ("car_fleet" and "city").
4. Used a sample about eCommerce orders to generate graphs, visualizations, and dashboards to help explore Kibana before adding my own data.

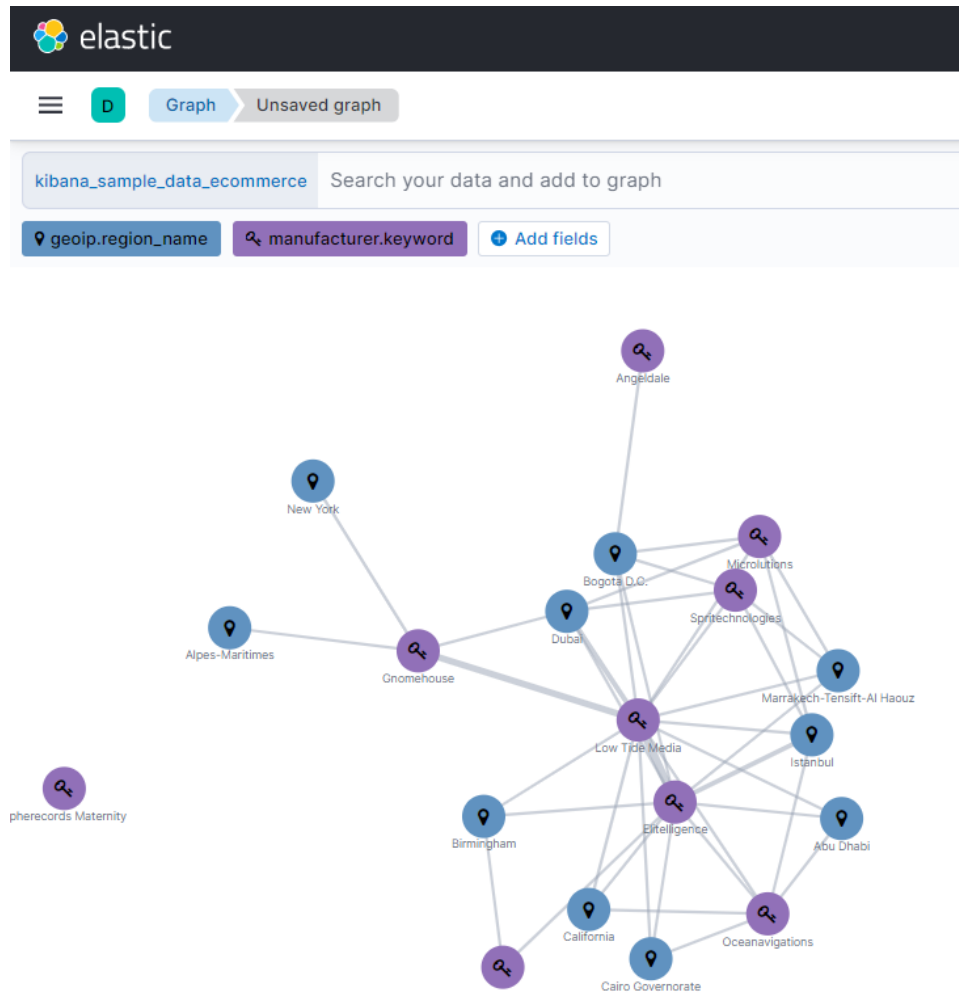
Some screenshots and reports of dashboards and graphs are shown below. The time filter was set to consider data form the last 10 days (between 15/08 and 24/8/2021) of Sample eCommerce Data.

Graphs:

- This graph based on an eCommerce data set shows the gender, day of the week, and city of purchases. The thicker the line is, there are more correlated documents between the vertices.

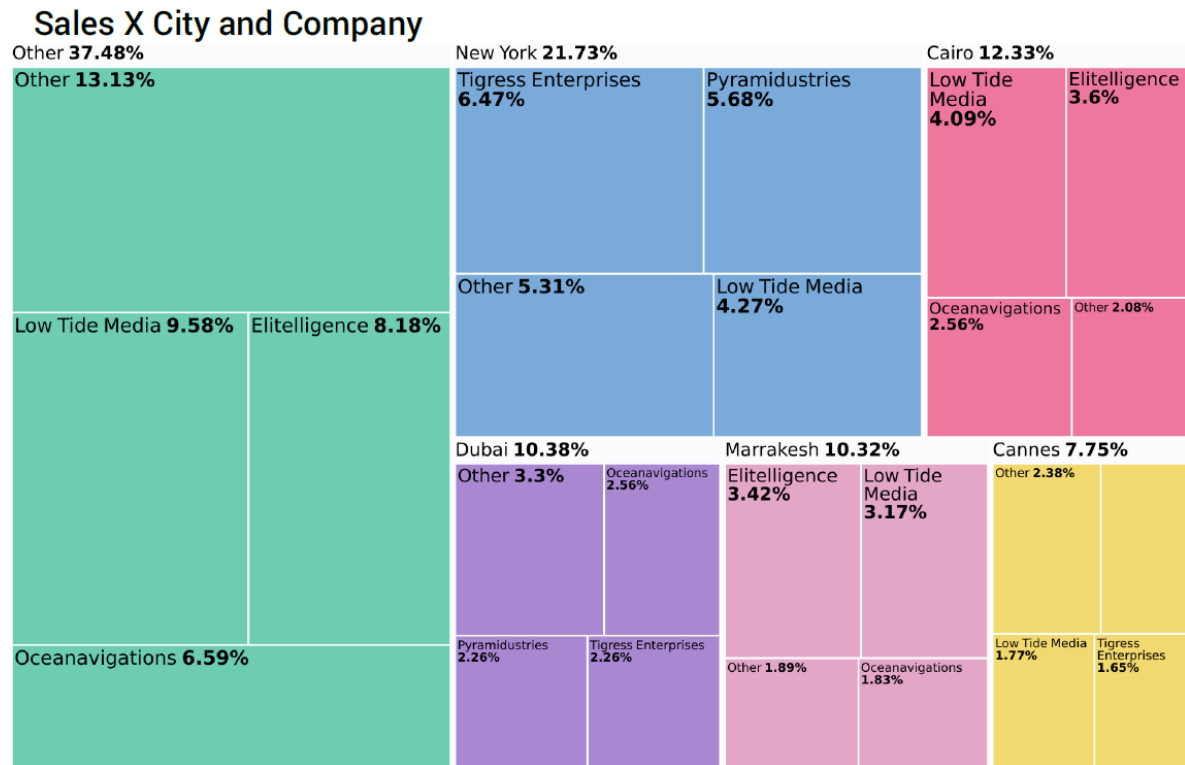


- This graph shows the region and manufacturer keyword of purchases.

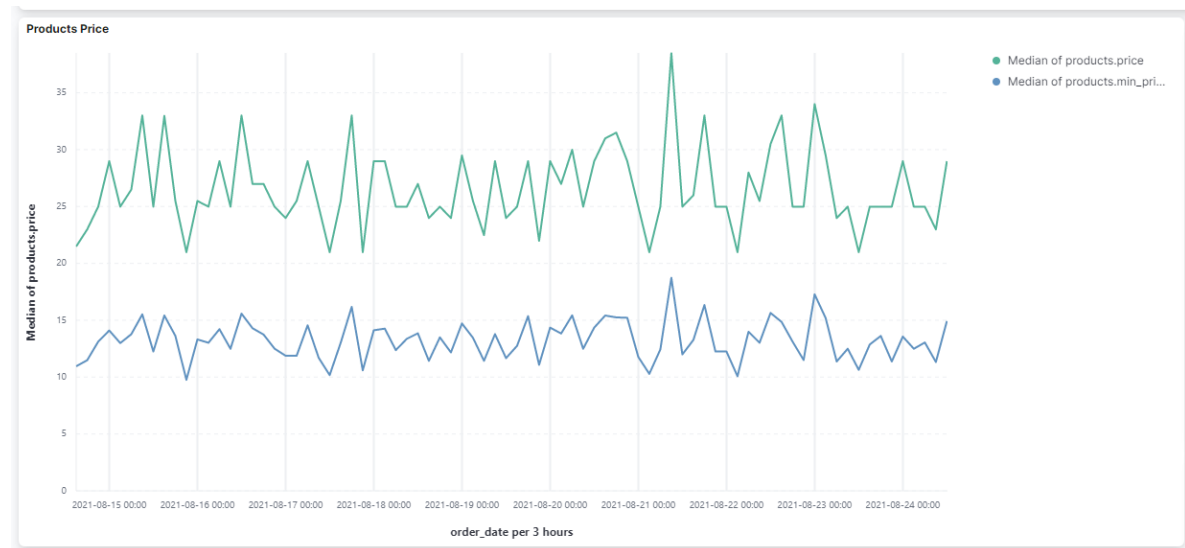


Treemap:

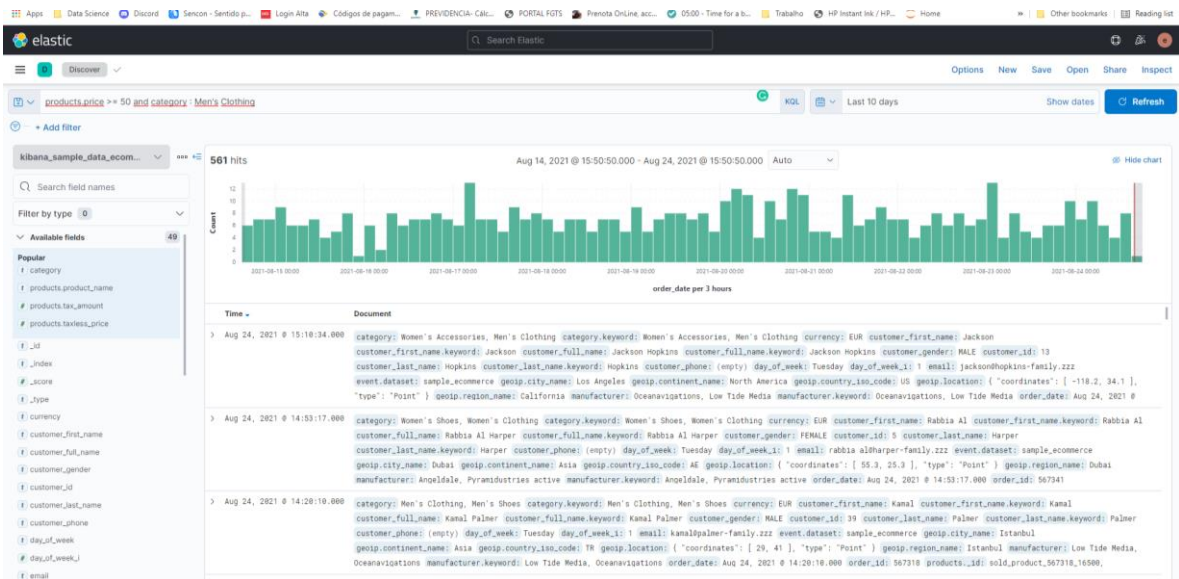
This treemap panel shows the top sales cities and companies (manufacturers):



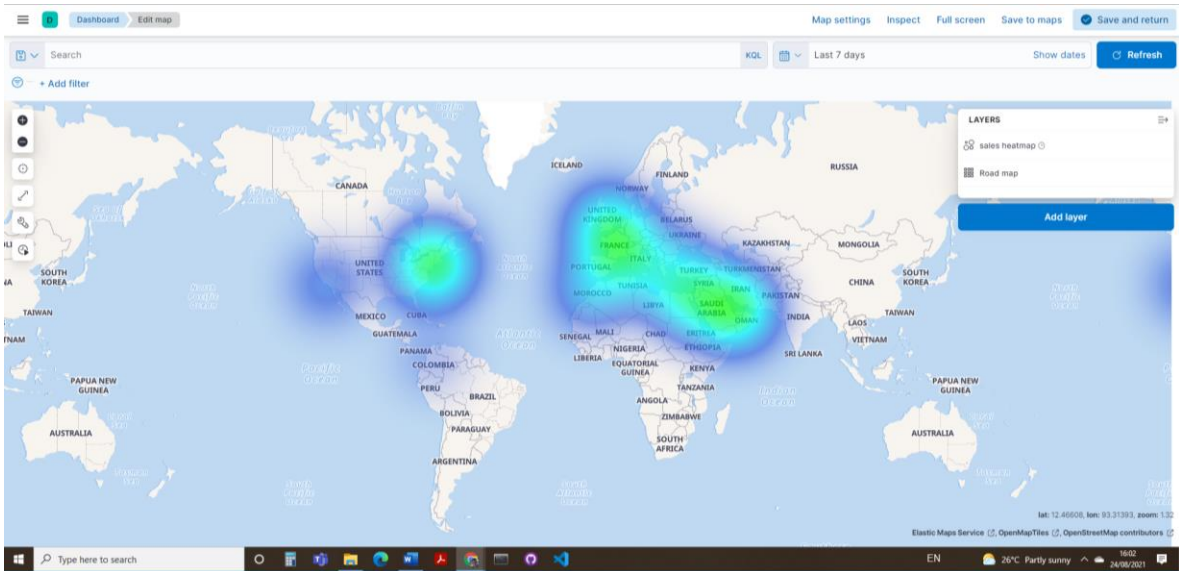
Products Price Graph and other:



Sales orders for men's clothing that are \$50 or more (KQL search field):

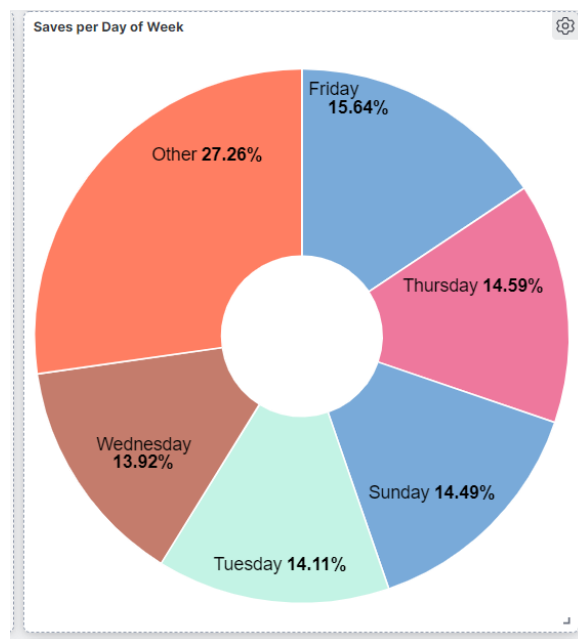
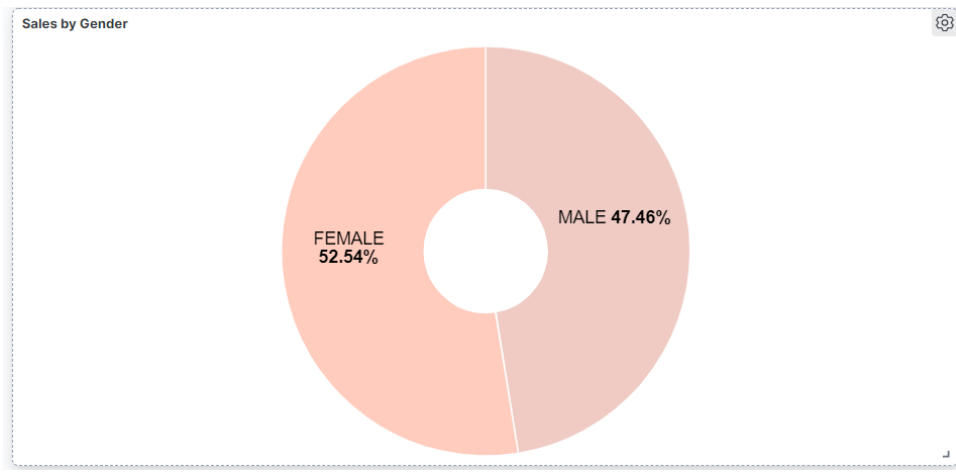


Sales Heatmap:



Some other dashboard information:

Kibana allows the user to view, search, and interact with the visualizations about the available data.



➤ The dashboard is available here:

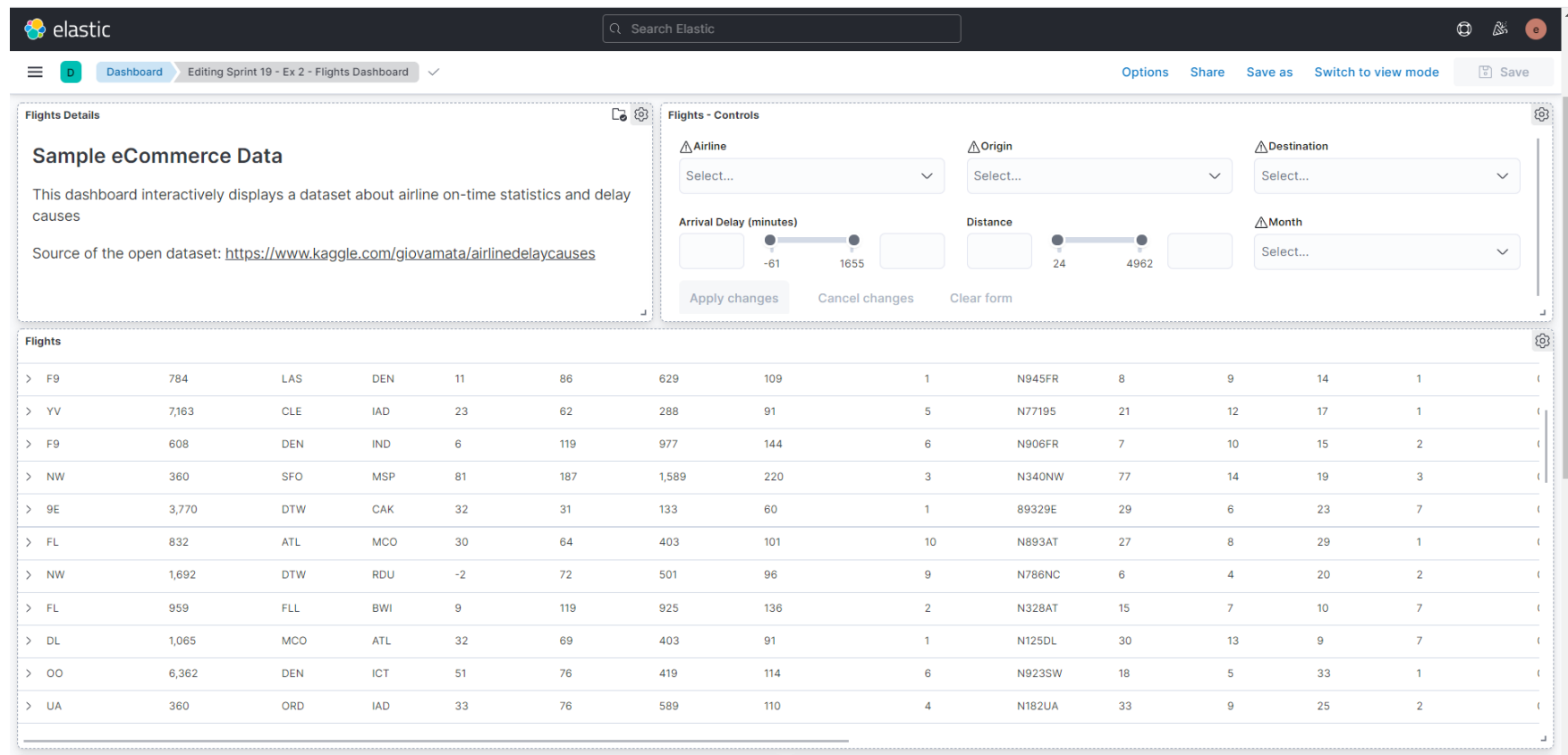
<https://sprint-19-it-academy.kb.eastus2.azure.elastic-cloud.com:9243/goto/41b5ff1bc926250c6a3ee0735b3f817d>

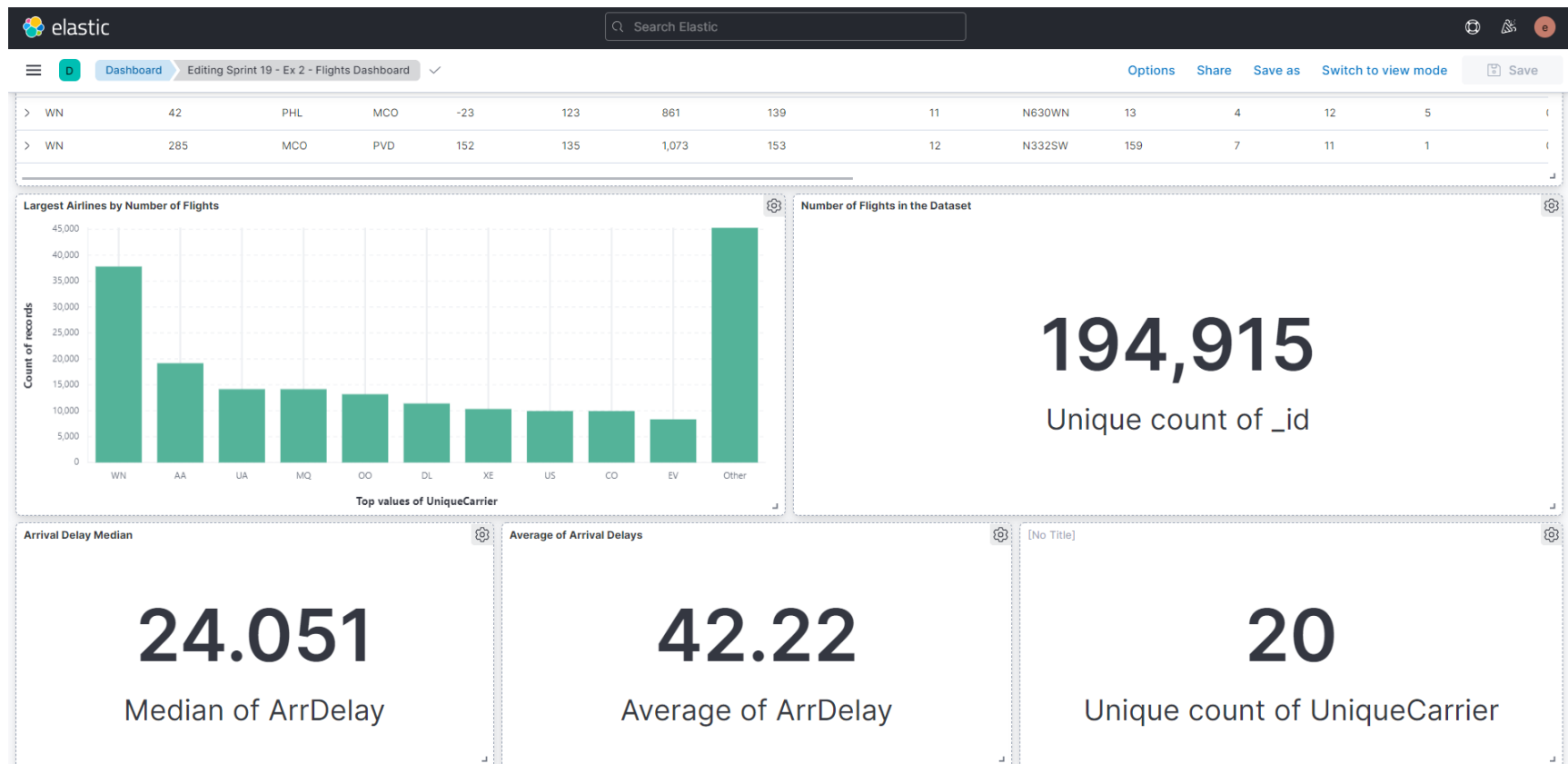
Nivell 2

- *Exercici 1: Implementa un dashboard que visualitzi interactivament les dades que triïs.*

It was created a dashboard that interactively displays a dataset about airline on-time statistics and delay causes (10% sample of Delayed_Flights.csv). It is possible to control some of features of the dataset.

Source of the open dataset: <https://www.kaggle.com/giovamata/airlinedelaycauses>





➤ This dashboard is available here:

<https://sprint-19-it-academy.kb.eastus2.azure.elastic-cloud.com:9243/goto/93889a852590afbcbcd5b4d5be4dfd52>

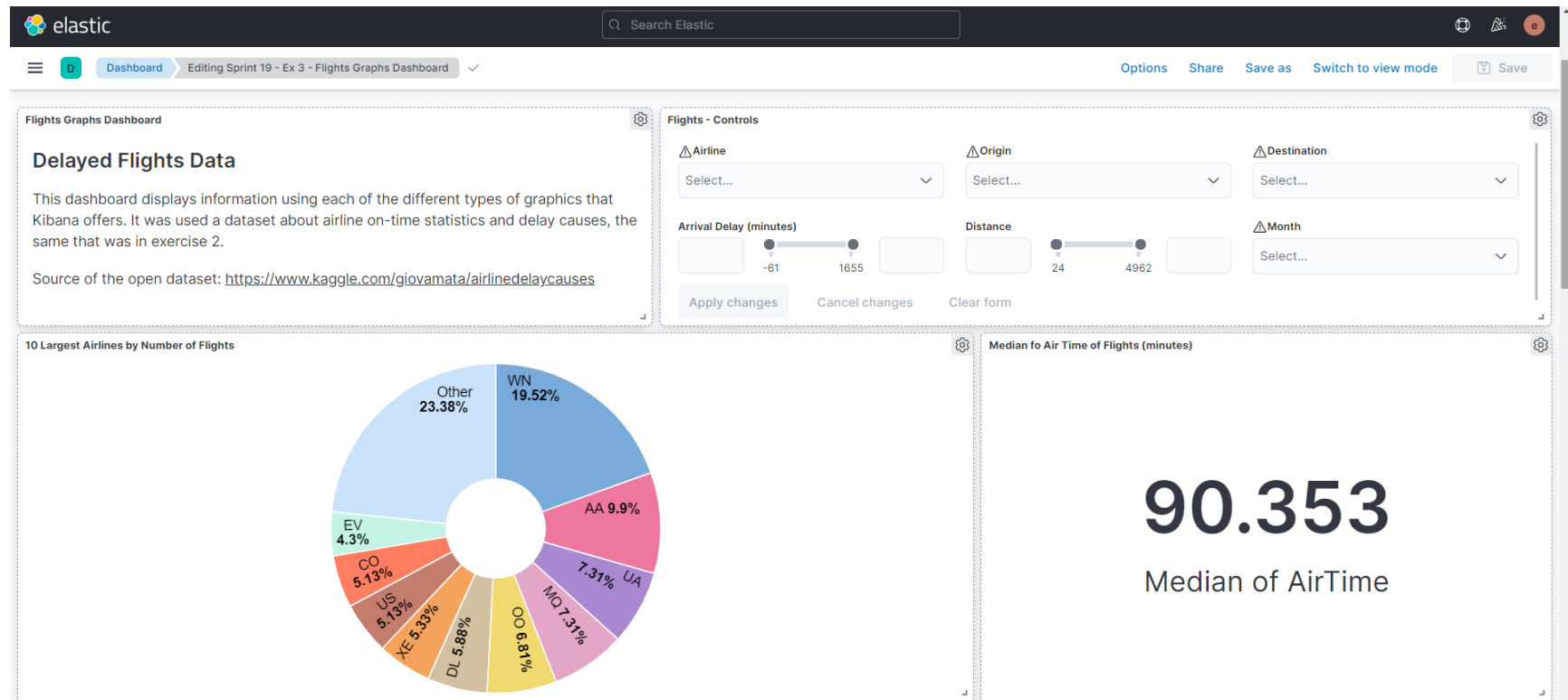
Obs.: The Kibana Cloud was not able to generate PDF or PNG Reports because of the memory limit available for the free trial.

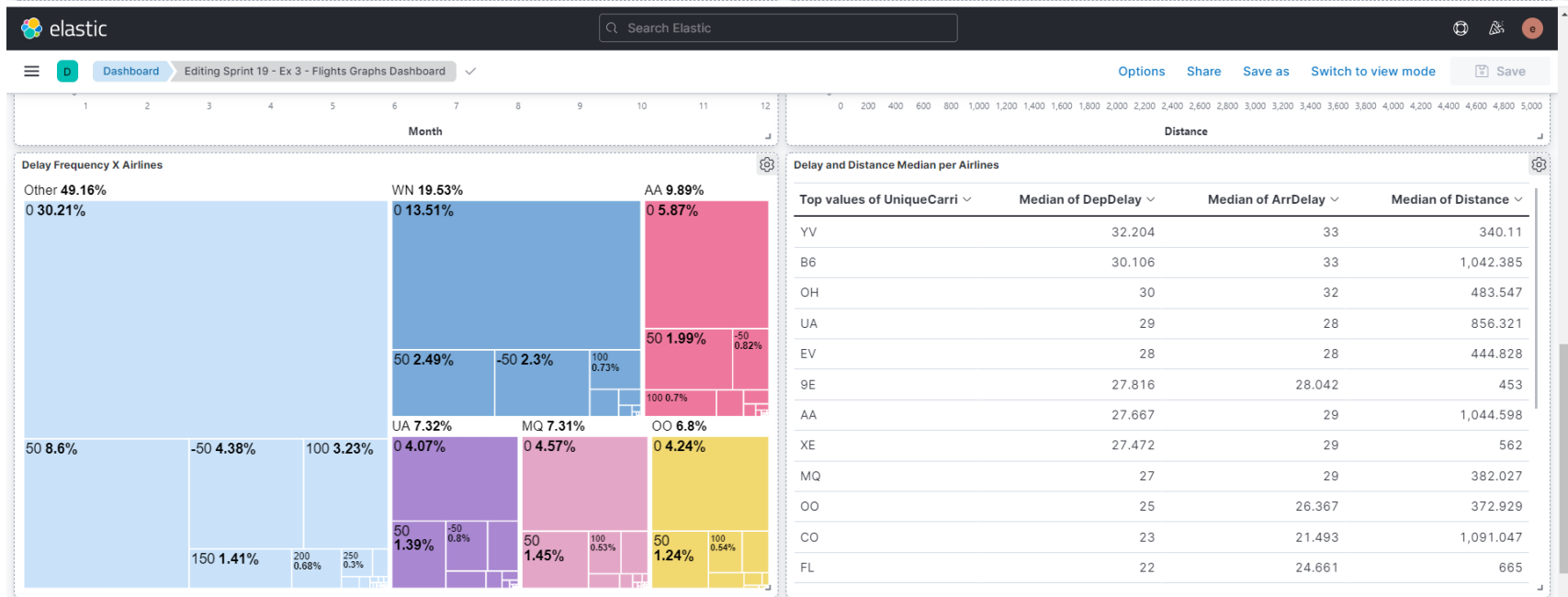
Nivell 3

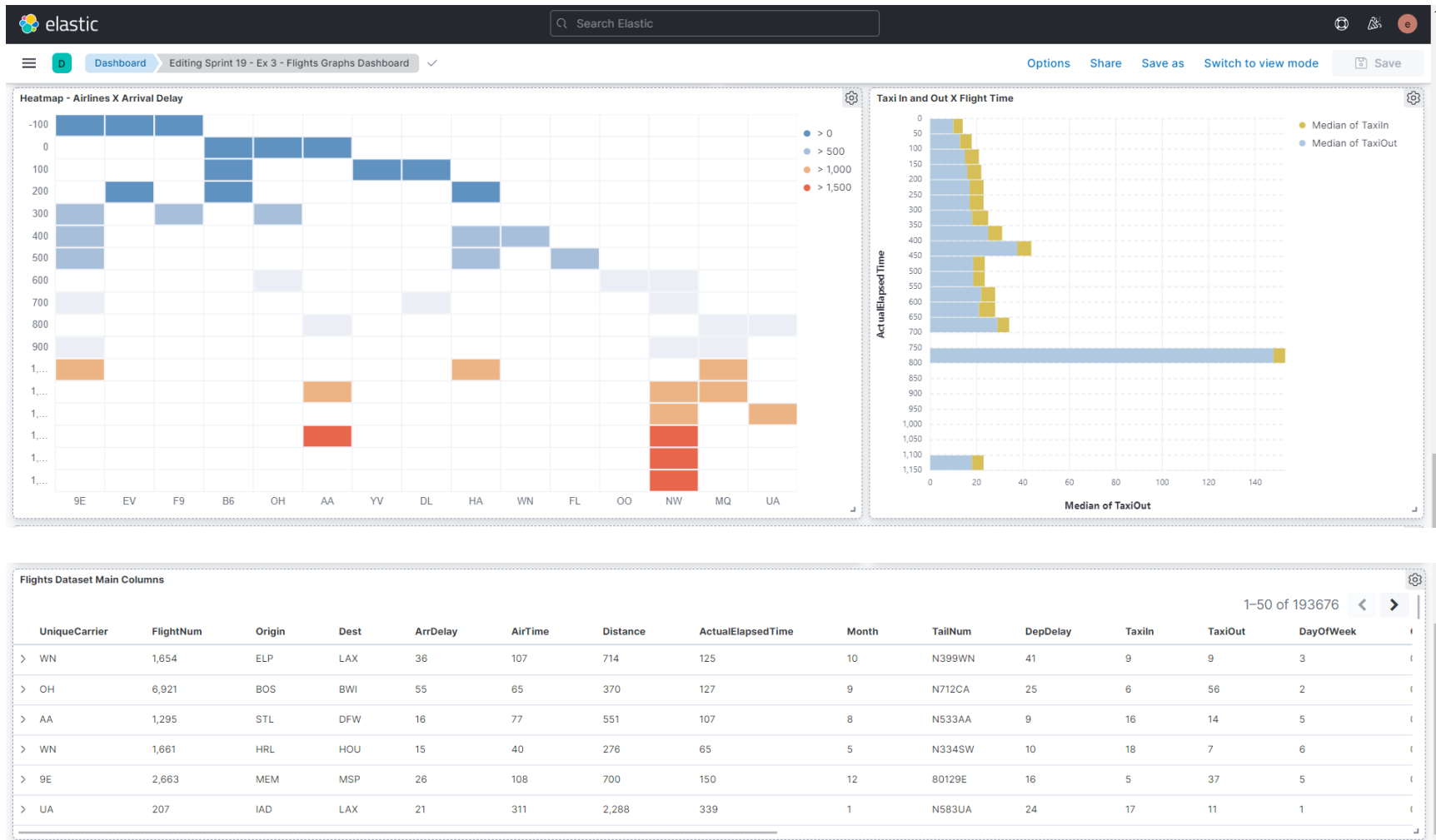
- Exercici 1

Implementa un dashboard que generi gràfics utilitzant cadascun dels diferents tipus de gràfics que ofereix Kibana.

It was created a Kibana dashboard with multiple types of graphics about airline on-time statistics (10% sample of Delayed_Flights.csv). It is also possible to control some of features of the dataset.







➤ This dashboard is available here:

<https://sprint-19-it-academy.kb.eastus2.azure.elastic-cloud.com:9243/goto/07232f5108b433676a46928c71d2bd13>

Obs.: Again, the Kibana Cloud was not able to generate PDF or PNG Reports because of the memory limit available for the free trial.