

DATA VISUALIZATION

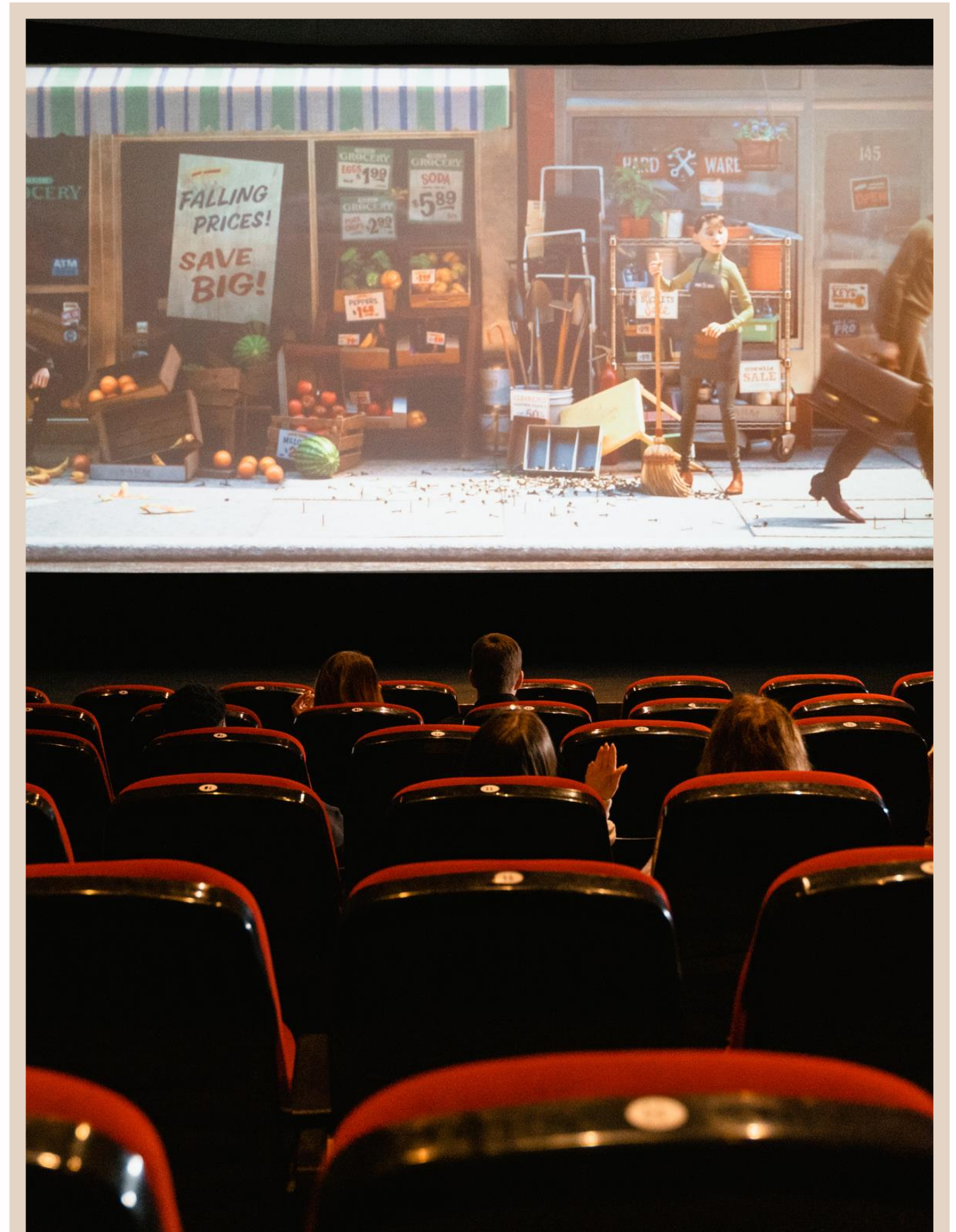
French cinema industry

Team: *Les 4 Fantastiques*

See the final dashboard [here](#) and the demo video [there](#).

Made by Martin PONCHON, Thomas DOUILLY, Antoine DARGIER & Ugo DEMY

SDI - CentraleSupélec






EXECUTIVE SUMMARY

- Using data from the film industry: cinemas and film admissions in France in 2020-2021
- Interesting insights and visualizations for a wide range of stakeholders, from cinema enthusiasts to theater owners
- Geographical dimension to illustrate the diversity of the French film landscape

Geolocation of active cinemas in France, published by the "CNC" (French organization for cinematography)


40 columns with:

-  Location data: Region, city, urban area, population in the city/area, etc
-  Characteristics of cinema rooms: identifier, screens, multiplexe, seats, etc
-  Characteristics of movies shown: new movies, type of movies, etc

Ugo DEMY :

 Films' nationality in Paris page

Martin PONCHON :

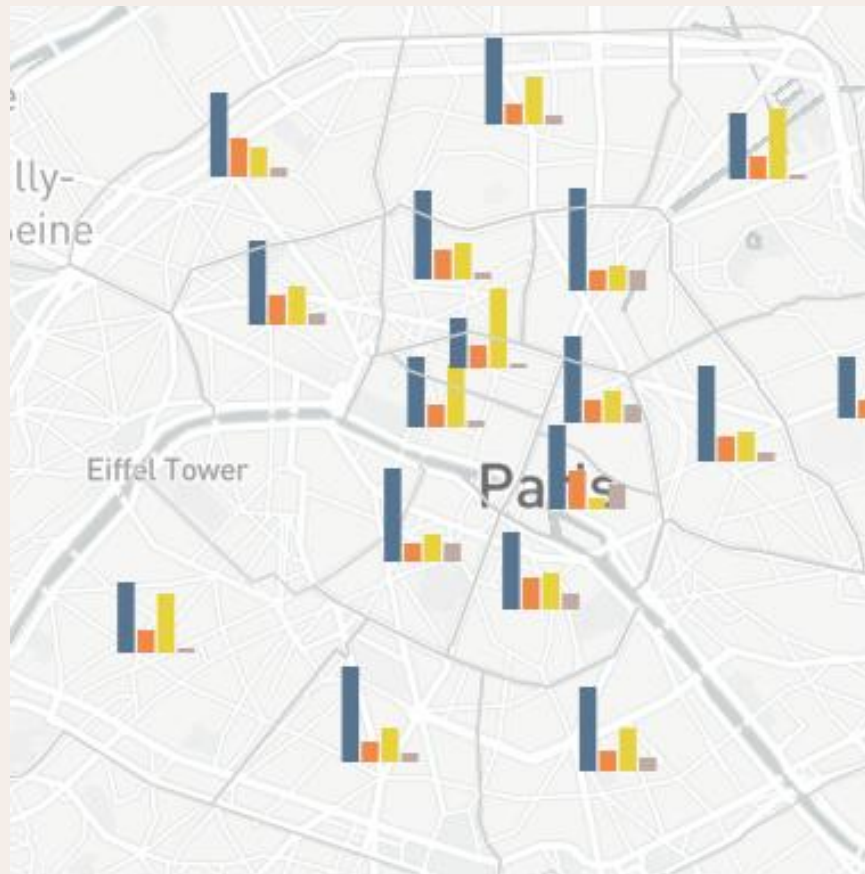
 Tickets-seats ratio by department

Antoine DARGIER :

 Number of seats by population

Thomas DOUILLY :

 Analysis of tickets solds and showings



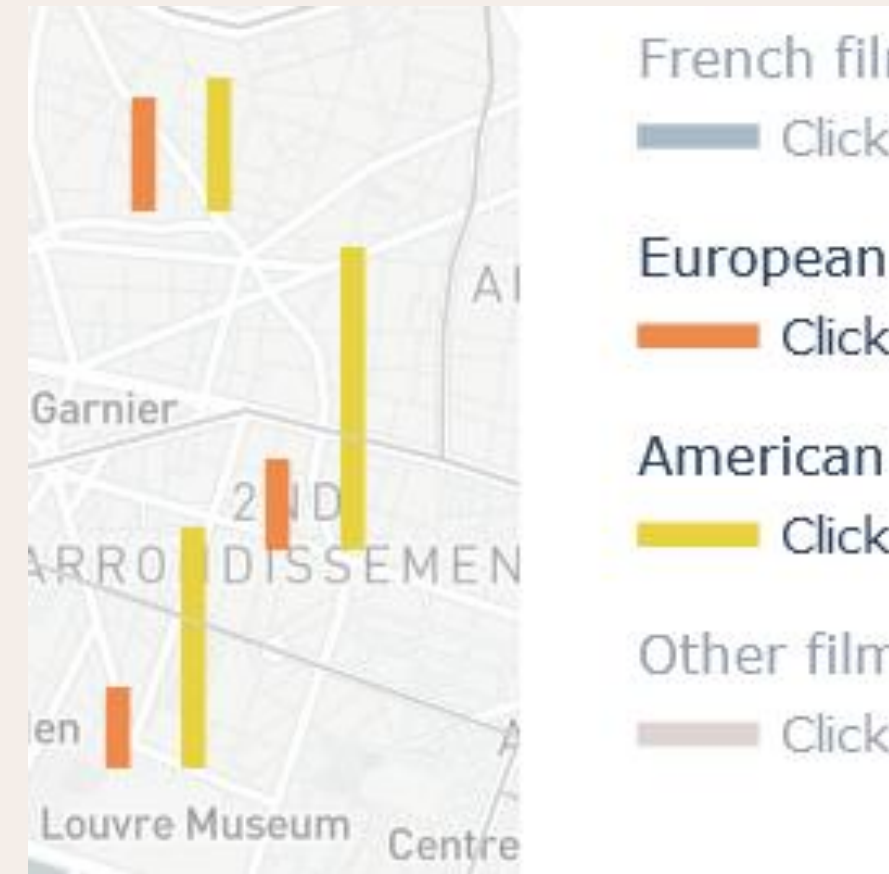
EXPLORE

In this graph, the user can explore the districts of Paris and to have insights on their films' nationality proportions through an interactive map.



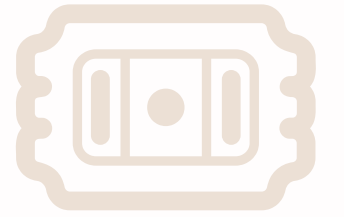
ZOOM & HOVER

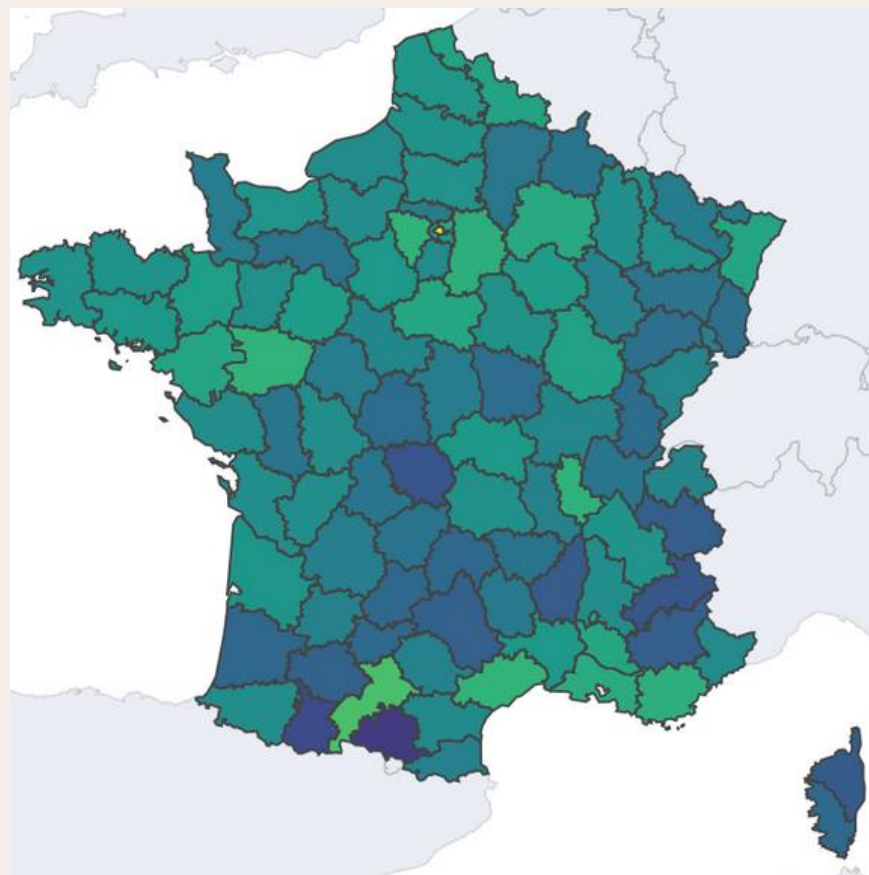
The user can zoom on a region of the map to get a clearer view of the histograms and hover the mini-chart to access the exact percentages.



FOCUS & ISOLATE

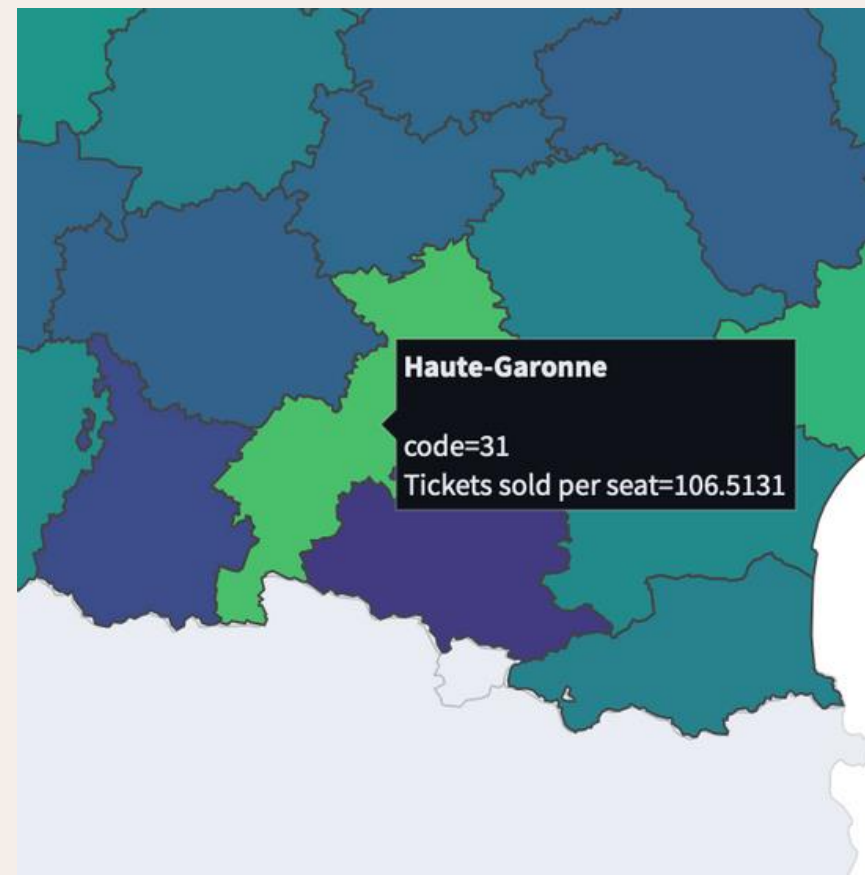
Specific films nationalities can be hidden by clicking on it in the legend to get a better view of each individual proportion over the districts.





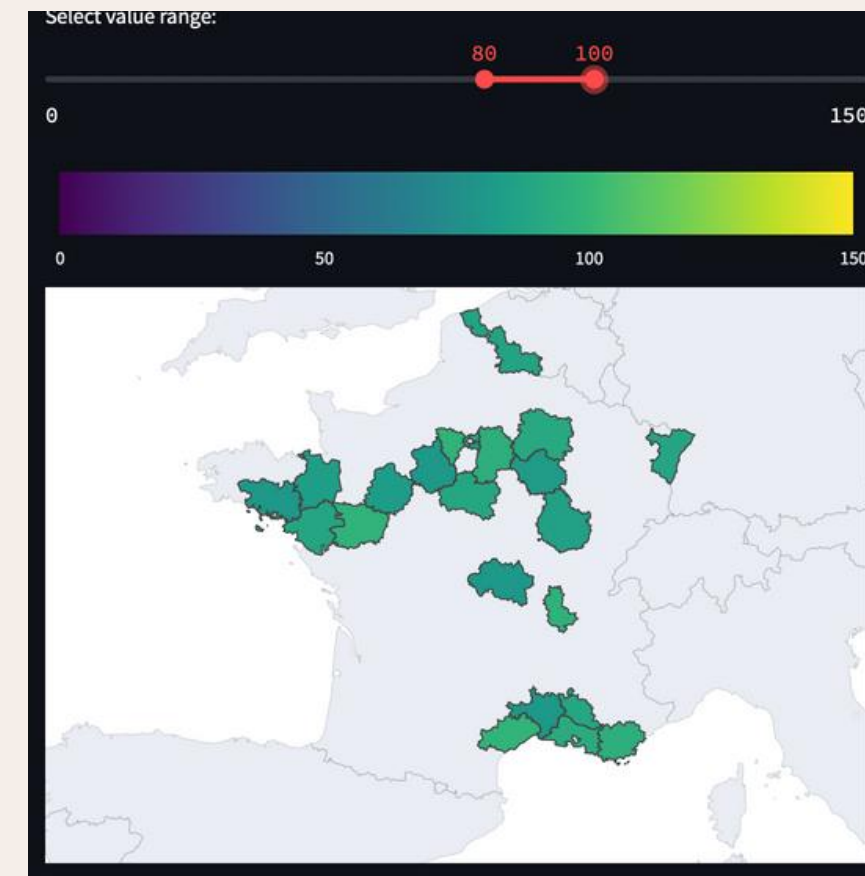
OVERVIEW

User gets to see which departments stand out from a general view of France departments



ZOOM

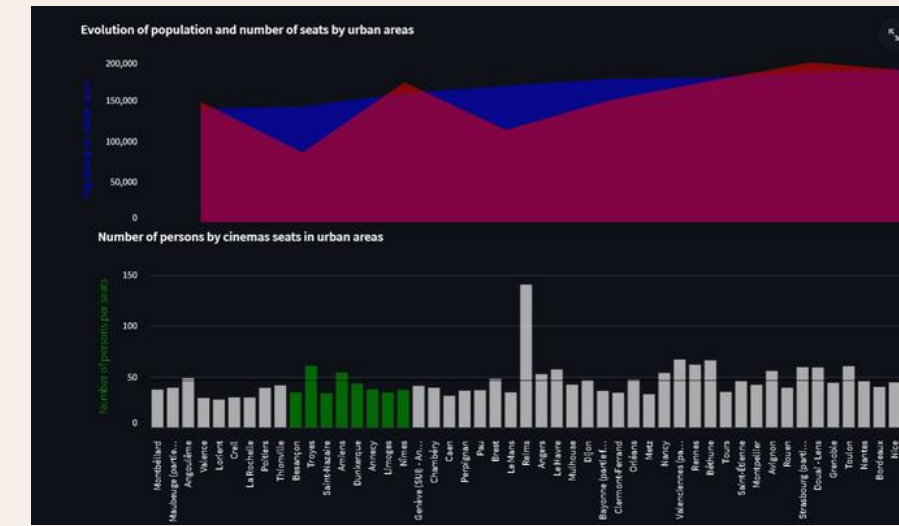
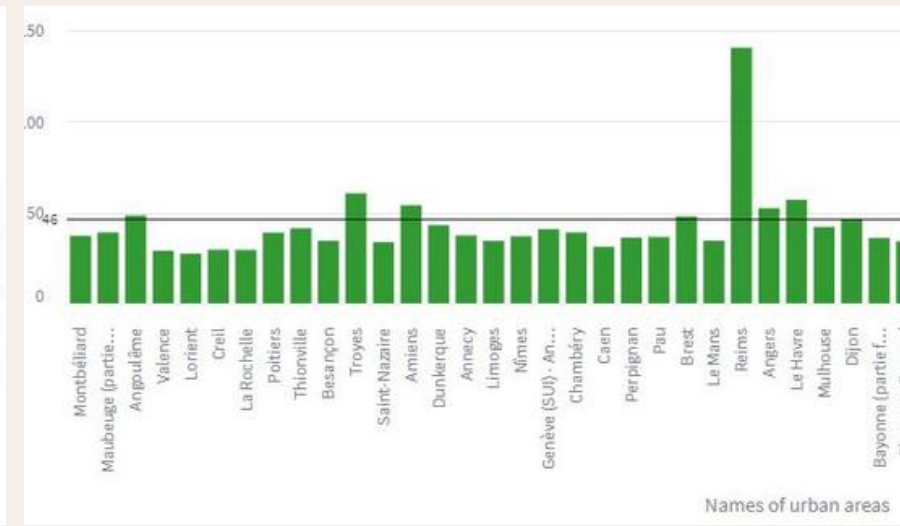
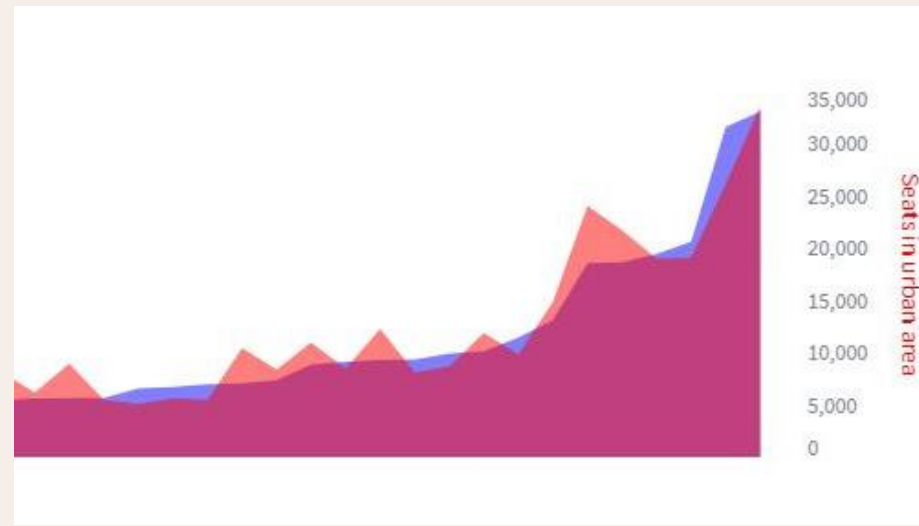
Zoom on area of interest using mouse, get precise values by hovering the mouse over department



FILTER

Display only departments for which the number of tickets sold per seat value falls in of the selected range





OVERVIEW

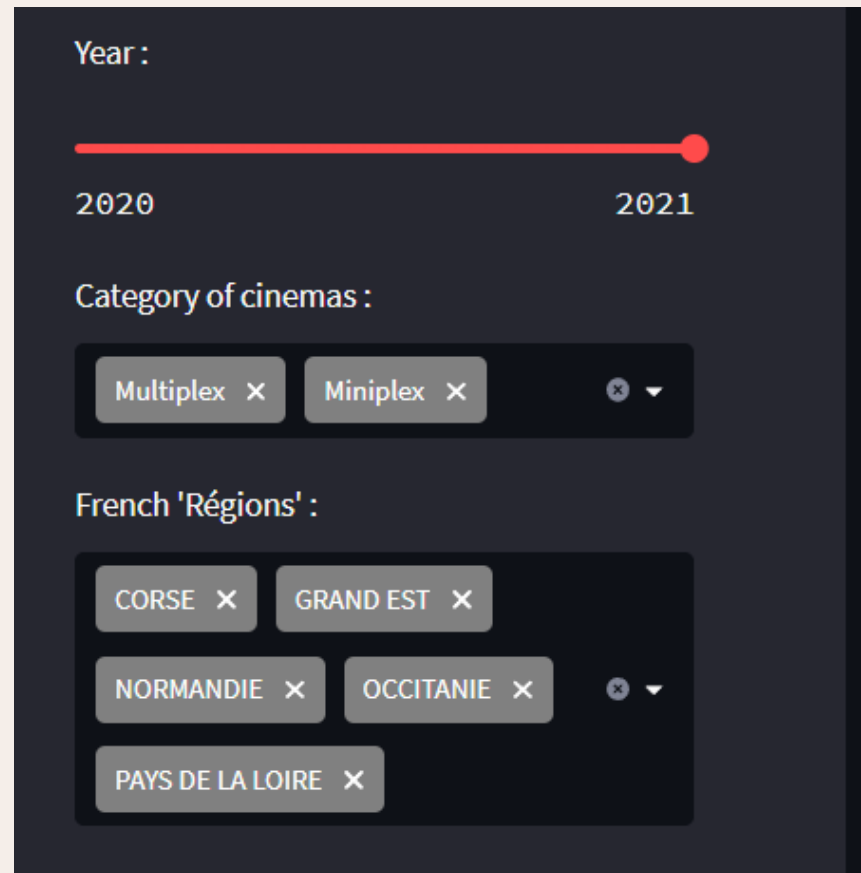
To see the parallel evolution of the number of seats and population

FOCUS ON PERSONS PER SEATS

Bar Chart allows to see quickly outliers, and see the average number for the selected areas

INTERACTIVITY

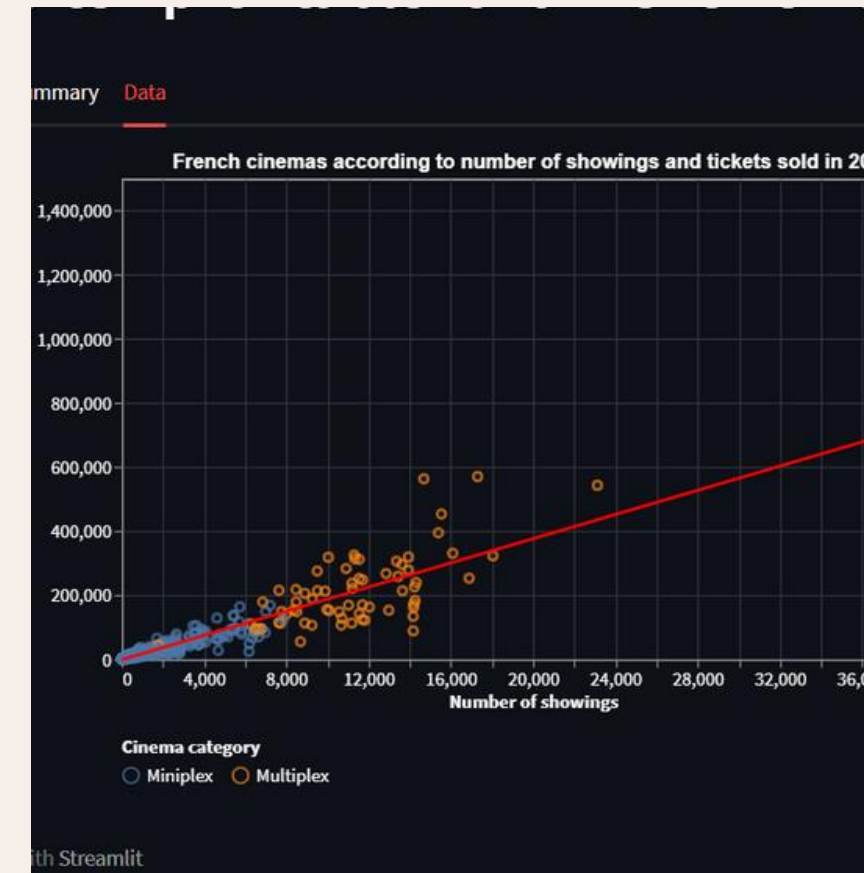
The user can choose the range of population size studied. He can select areas on the bar charts (with SHIFT) to compare them



18.9

tickets were sold for each
showing

--- FILTERED CINEMAS ---



GRAPH CUSTOMIZATION

The user can choose among three different parameters :

- Year
- Régions
- Cinema Category

QUICK SUMMARY

A quick overview that allows the user to catch the main of this visualization

DATA AS A GRAPH

The whole data as a graph which can be filtered using the Graph Customization Tools

What can be improved ?


There are several possible improvements regarding our visualizations:

- Connect more than 2 charts together and group every graph on a single dashboard page.
- Regarding the 📺 visualization, a pie or donut plot may be more appropriate to represent proportions.
- On the 🎬 visualization, it was difficult to implement filters linked to the two graphs, which would have been easier to use, but the slider was a good bypass.

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GROUP WORK :

Homepage & Deployment

END



Thank you for your attention!

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