



Université Claude Bernard Lyon 1

DATA VISUALIZATION

Project Progress

KORICHI Abdel-Rahmen
DORLIAT Hector
EL ABASS Cherif Ahmed
2017-2018

January 10, 2018

1 From 15/11/17 to 29/11/17

- Research of a project we are interested in. We all agreed on working on a commercial flights visualization.
- We found a dataset on <http://ec.europa.eu/eurostat/fr/data/database> where there is interesting data about commercial flights in Europe.
- Reflection on what we want to visualize (cf Design Sketches)
- Set up of Github Organization.
- 2 pages article

2 From 30/11/17 to 06/01/18

- Cleaning of dataset : We took the datasets from the European Commission's site. The datasets consisted of air passenger flights for each european country by airport. Then we started making statistics on these files using R. The outputs were two dataframes(arrival and departure) in CSV format for each country which contain the number of passengers by year for all the other European countries.
- aggregation of data : Then we had a problem reading CSV files in D3.js so we had to convert those csv files to json format. We used Python to do the conversion.
- Implementation of the data in D3

3 From 07/01/18 to 10/01/18

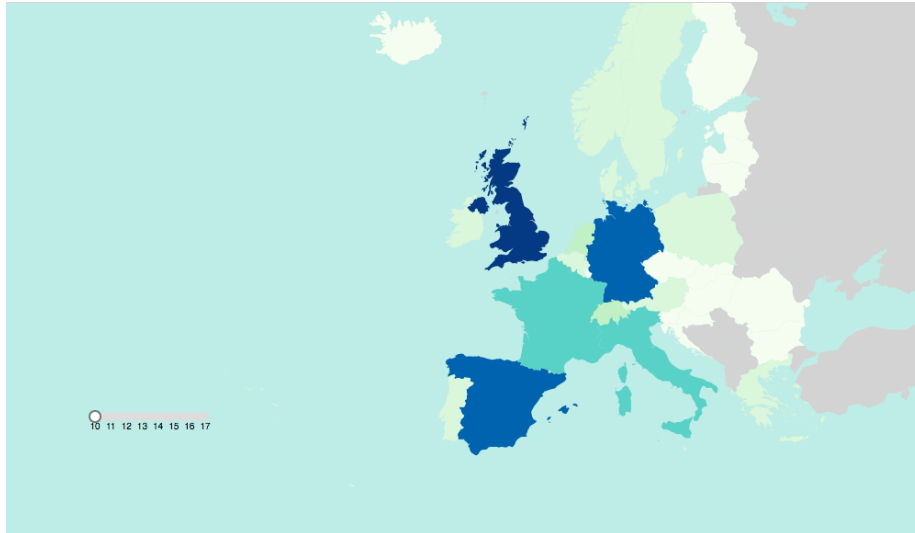


Figure 1: Adding slider

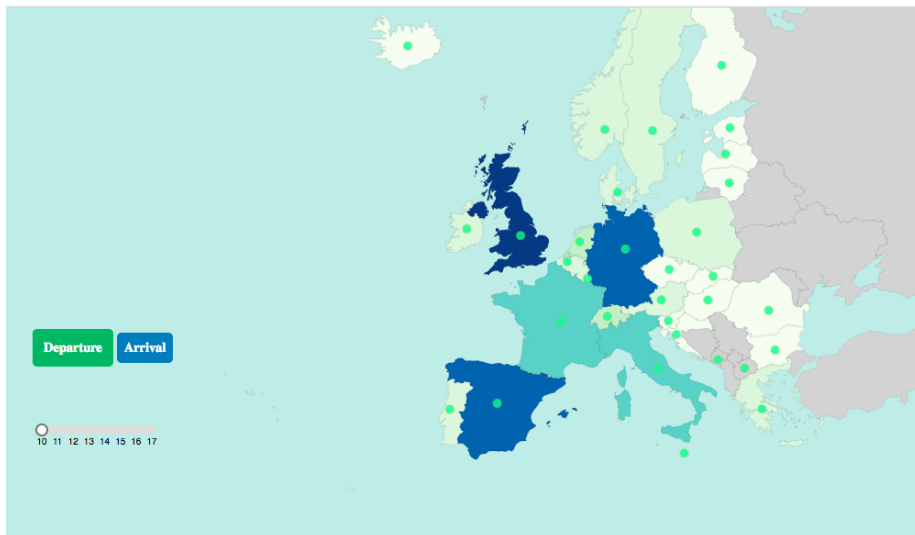


Figure 2: Departure/Arrival button

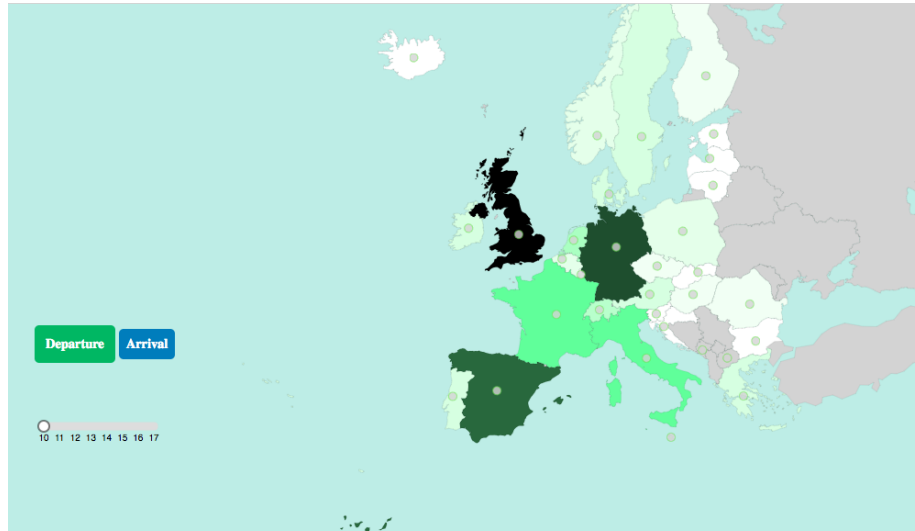


Figure 3: Adding coordinates of destinations

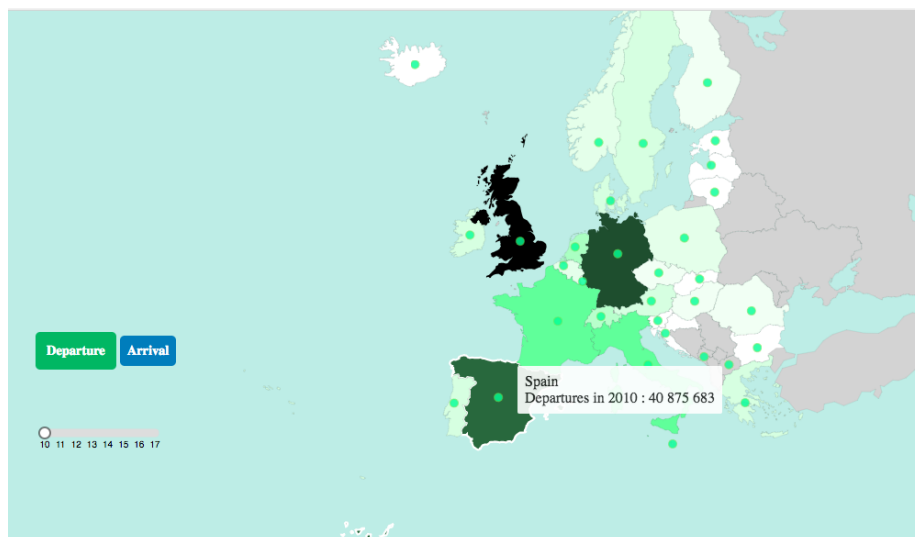


Figure 4: Adding tooltip

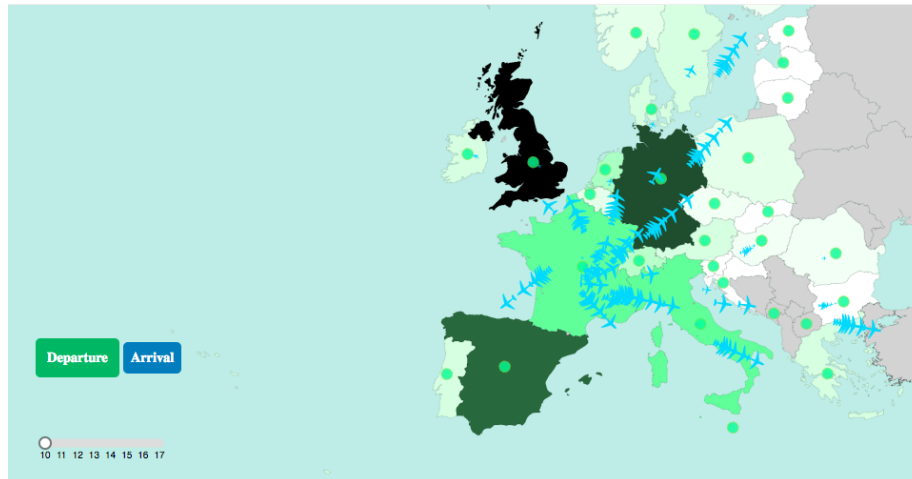


Figure 5: Adding planes