Individual work for Data Visualization Final Project

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* I agree with Federico's individual report about what he did in this project

Part I --- Preparation

At the beginning, I had a brainstorming with Federico regarding to some key issues of the project. We mainly discussed which techniques we were going to use, what type of data we needed and what kind of visualization was the best choice.

Part II --- Implement

Pre-processing: As the big data we achieved from UNdata were in different formats, I used Python to process most of the data, including filtering data, a few calculation and putting them into JavaScript which can be used directly in HTML.
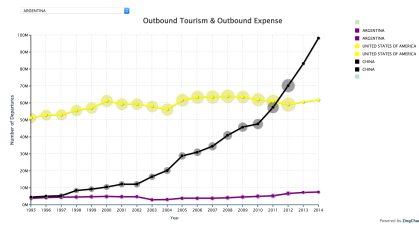
JavaScript: In this project, I was mainly responsible for the technical part. Regarding to JavaScript, I used three different JavaScript library: zingchart, d3 plus and d3 to draw the graph. There are totally 8 graphs in our project, I implemented v1, v2, v3, v7, v8 (please see the following pictures).

HTML & CSS: I used bootstrap as the basic framework of the website, making the layout aligned and used a few CSS style to make the website look better.
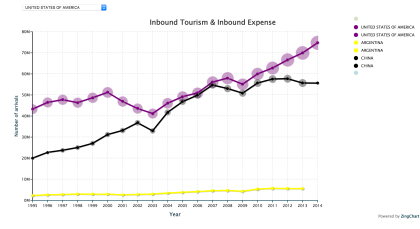
Part III --- Finalization

Fixing bugs was also the big issue in our project. When we almost finished the project, Federico gave me many constructive suggestions with the visualization, for some parts, I changed the visualization strategies, for the others, I changes the code to make it neat and easy to understand.
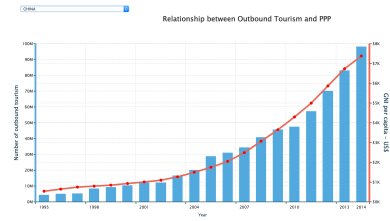
In conclusion, I had a great corporation with Federico and really learned a lot from him as well.
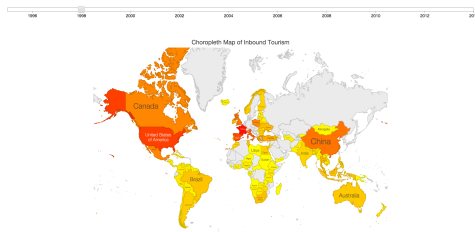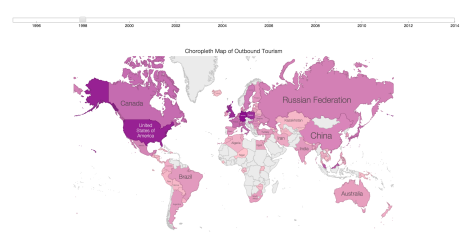
V1

V2

V3

V7

V8