Using FOSS mapping and charting tools to visualize refugee and immigrant integration data

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Why?
What?
How?
What happened?
Why does it matter?
REGIONAL REFUGEE AND MIGRANT RESPONSE PLAN FOR EUROPE

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2017 Regional Refugee and Migrant Response Plan for Europe

UNHCR
Status of Refugee

The 1951 Refugee Convention.
UNHCR
Syrian asylum seekers sleep inside a temporary camp.
Fortune Insiders

Temporary migrant camp in the northern Greek border.
DipNote
Examples of funding gaps in 2015 (as of October 2015)
UNHCR
We need a sustainable solution
Refugee and Immigrant Integration Dashboard

A web-based mapping and charting tool to explore the refugee and immigrant integration data, make sustainability a priority.

http://personal.psu.edu/wxw5193/webserver/R2iDashboard.html
The UN Refugee Agency (UNHCR) Population Statistics asylums seekers, refugees and persons of concern data
http://popstats.unhcr.org/en/overview

EuroStat immigrant integration data

GitHub country boundaries
https://github.com/johan/world.geo.json/tree/master/countries

Using EU Indicators of Immigrant Integration
how to use immigrant integration indicators
bootstraps.js  dc-leaflet.js  d3.js  dc.js  crossfilter.js  FileSaver.js
How? Methodologies

d3.parcoords.js
d3.js
divgrid.js
How?

Methodologies

Define color

Load .csv file

Create table view

Create the chart

Update table on brush event
Refugee and Immigrant Integration Dashboard (R2i)

Usability Evaluation

Dear friends,

Thanks for participating in this usability evaluation. The purpose of this exercise is to test if the web interface design is intuitive enough for users to browse around with no prior training.

Please answer the following questions and return to me.

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### Group 1

- In 2015, which host country had the highest total number of asylum seekers and refugees?
- In this highest host country, which were the top 3 asylum seeker origin countries?

### Group 2

- In 2015, which origin countries had the highest total number of asylum seekers and refugees?
- From this highest origin country, which were the top 3 host countries they fled to?
- Were you able to download the selected three records as a table?

### Group 3

- In the demographics page, which country had the highest number of persons of concern in 0-4 age group in year 2015?
- What were the percentages of men and women?
Why? Make sustainability a priority

What? R2i Dashboard

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R2i Dashboard
Make sustainability a priority

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