

Refugee Project - Final Presentation

R against the Machine: Diya Wang, Steffi Mangelsdorf, Rafael Contreras Gomez

April 29th, 2019

Future Steps

Let's talk about refugees. . .

Problem Statement and Background

What does the most recent available data tell us about refugee integration outcomes in the United States?

- ▶ Annual Survey of Refugees 2016 (ASR)
 - ▶ National policy debate
-
1. Who exactly are the refugees and where are they?
 2. What do we know about the education and employment outcomes of refugees?
 3. Do refugees represent a burden on the tax system?

Methods

- ▶ Exploratory Data Analysis (EDA)
- ▶ Data visualization
- ▶ Shiny Dashboard
- ▶ Data cleaning and wrangling

Tools

- ▶ Git and Github
- ▶ ggplot and ggplot2
- ▶ shiny and shinythemes
- ▶ shinydashboard
- ▶ Shinyapps

Results

We have compiled the results of our EDA analysis into a dashboard deployed and accessible via ShinyApps. The target audience of the dashboard is the general public interested in discovering the evidence behind refugee outcomes.

<https://contrerafa.shinyapps.io/dashboards/>

1. Who exactly are the refugees and where are they?
2. What do we know about the education and employment outcomes of refugees?
3. Do refugees represent a burden on the tax system?

Lessons learned & Q & A

- ▶ Data availability and tools for public policy
- ▶ Coding: graphs & packages.
- ▶ Coding: debugging
- ▶ GitHub as a platform for version control
- ▶ R vs. other tools