

Kerrigan Research Minigrant Proposal

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Project start date: February 1, 2018

Project end date: June 30, 2018

Title of Project: Visualizing Migration in the Age-group Population Data

Description:

This research is intended to develop a new visualization method to display the migration or the change in the age-group population data. A traditional way to show the distribution of age groups in the population data by year is the population pyramid plot. And animation can be added to show the changes over years. However, the population pyramid plot can not show the migration information, or track the population from a certain age group. In this project, we'll develop a plot to visualize the migration and to track the population from some age groups. The method will be applied to some population data from different resources, and be wrapped to an R package.

Timeline:

Month	Task to Finish
February	Learn the population pyramid plot and prepare data
March	Design the plot and write code
April	Write code and apply to different datasets
May	Pack the code to an R package
June	Write the final report
