DEMOGRAPHIC ANALYSIS & POPULATION PROJECTION SYSTEM (DAPPS)

US Census Bureau | Training and Statistical Development Branch

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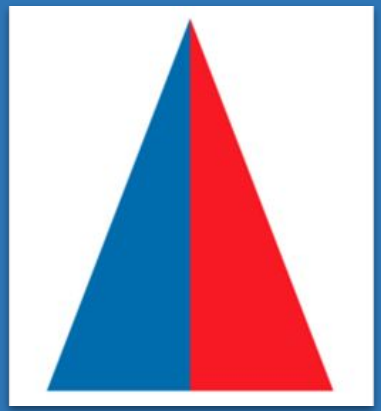
Keywords:

Dapps, death distribution methods (ddm), grpopyb, user-interface (ui)

Summary:

Our project this summer was to further develop the US Census Bureau's demographic analysis & population projections software (DAPPS). This software is used aid foreign countries with their population projections. As projections become easier to generate, the goal of DAPPS is to democratize projection data to decision makers with less technical backgrounds. As fellows, our specific role was to create new analysis methods for the back-end and allow those new methods to be available in the front-end of the application.

Demographic Analysis & Population Projection System (DAPPS)



Amanda Kwok, Pauline Nguyen

Our Team

Branch

Training and Statistical Development Branch (TSDB)

Supervisors

Sean Fennell & Nobuko Mizoguchi

Software

DAPPS

Fellows

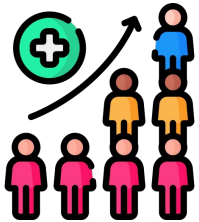
Pauline Nguyen & Amanda Kwok

Demographic Analysis and Population Projection System (DAPPS)

United States Census Bureau

What is DAPPS?

Offers a comprehensive suite of methods for the creation and analysis of population projection data



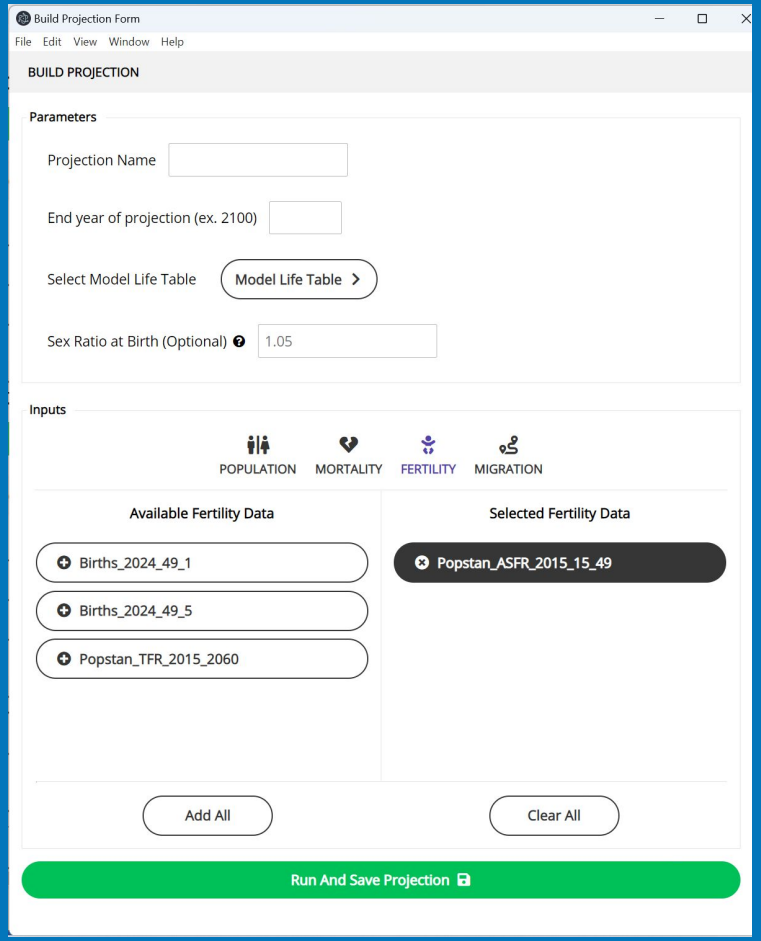
Who uses DAPPS?

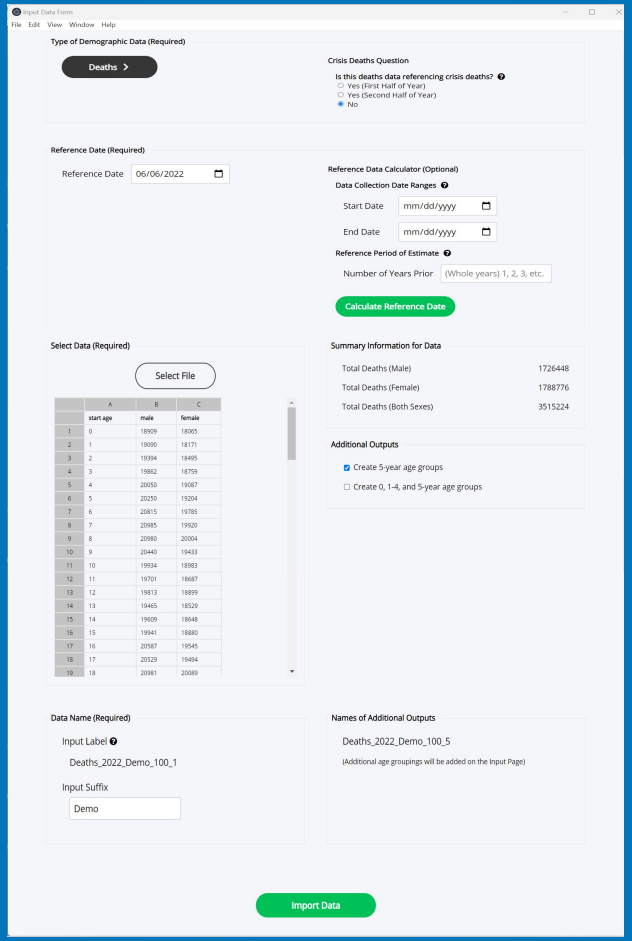
Workshops for DAPPS held internationionally in locations such as: Mali, Benin, Zambia, Rwanda, etc.

Feedback

Feedback is used to create new milestones

New UI Features





Updates to Analysis Methods

Validation

Debugging

New Methods

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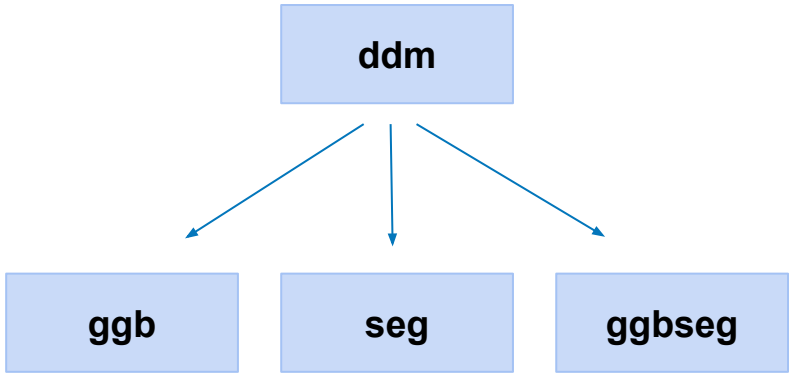
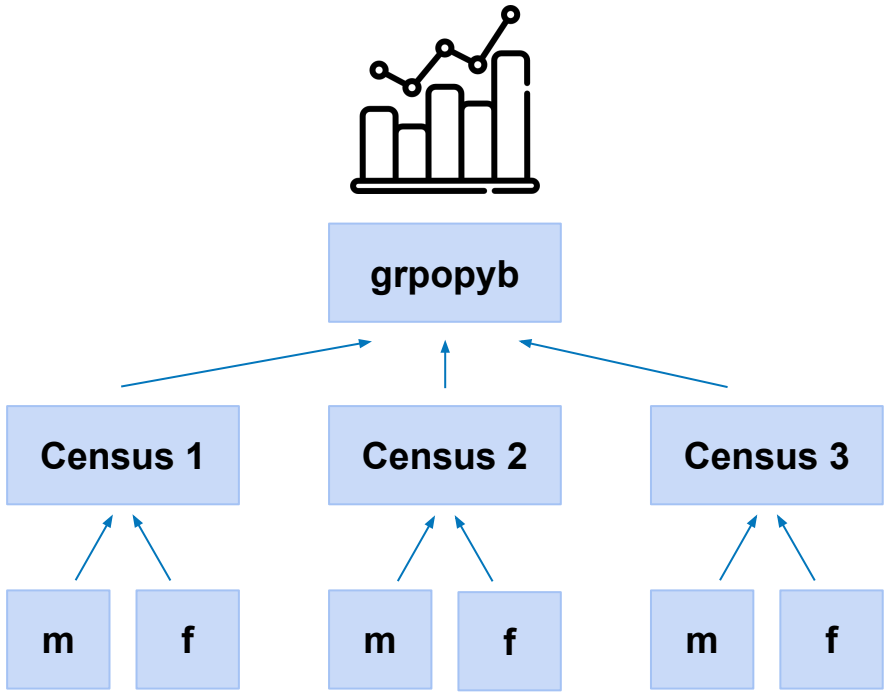
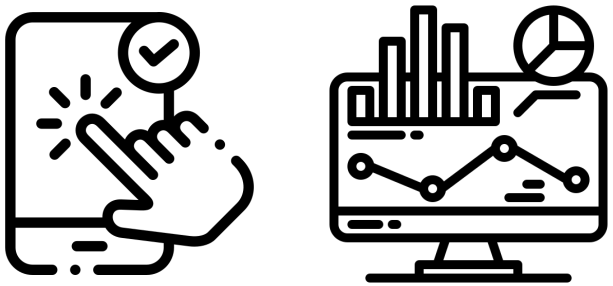
New Analysis Methods





Next Steps

Continue Updates on UI and Analysis Methods



Goal

Create an application that is intuitive and effective for global use in demographic analysis and creating population projections

Thank You!

Special thanks to supervisors, mentors,
and team members!

For questions, we can be reached at akwok1@jh.edu and
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