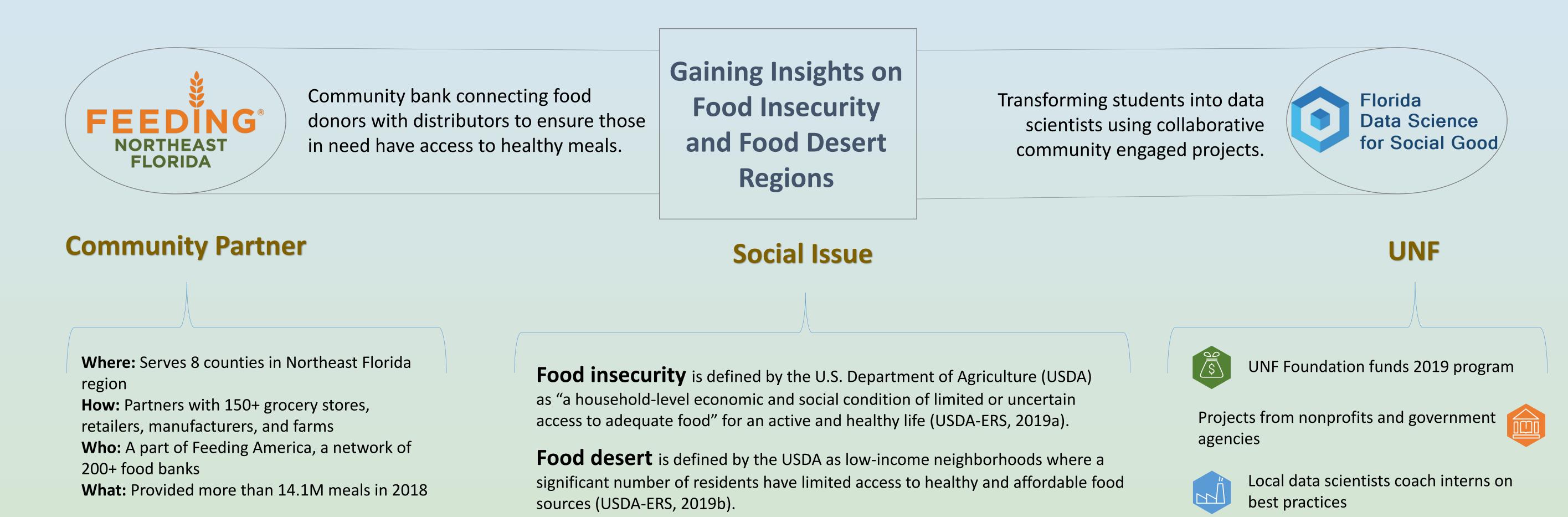
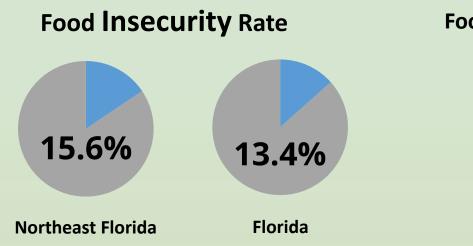
Feeding Northeast Florida: Finding Data-Driven Insights in the Fight Against Hunger



Map the Meal Gap (Meal-Gap, 2019)



Food Insecure People > 250K **Northeast Florida** > 2.8M

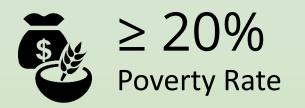
Florida



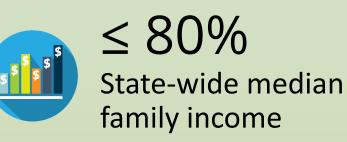
Annual Food Budget Shortage in Florida .54B

Low-income

Areas with



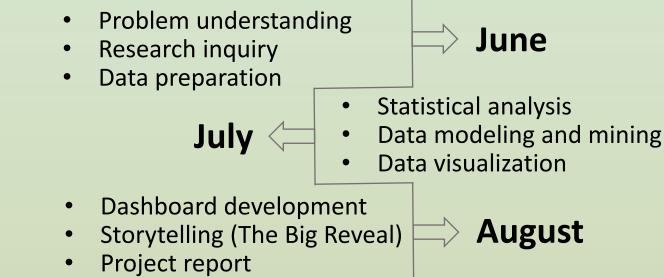
or Areas with residents median family income





UNF faculty provide subject-matter expertise





Our Approach

Dashboard

Problem

Disparate

Datasets

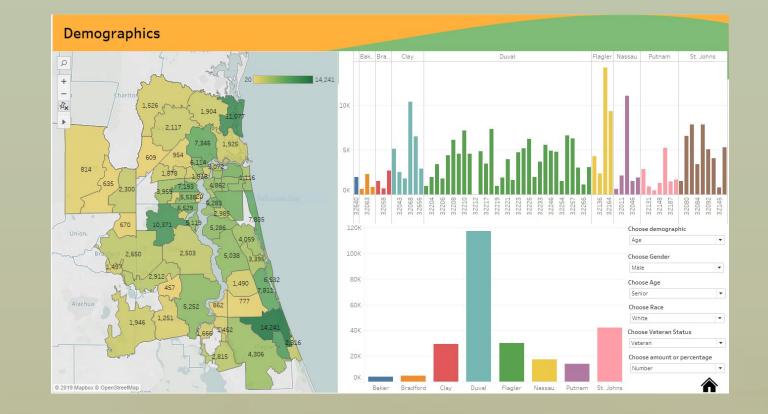
Integrating

Consolidating Data Sources:

- Regional socio-demographic data from Census track and ALICE reports
- Food donors and distributors data from Feeding Northeast Florida
- Food insecurity and food desert research data from USDA and Feeding America

Aggregating census track reports to zip codes using ArcGIS

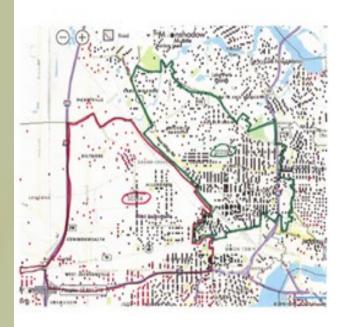
Converting donor and distributor agency address into geographic coordinates using Google Cloud Platform (GCP)

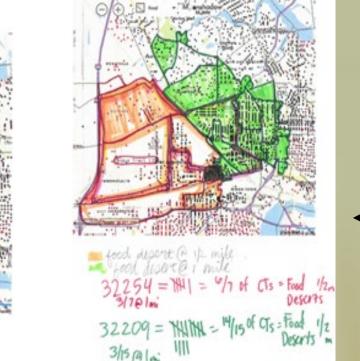


Supporting Grants and Operations Teams

Provide ability for grants team to identify areas in need and estimate demand for food

Provide ability for operations team to visualize demographic, food donors, and food distributor information.



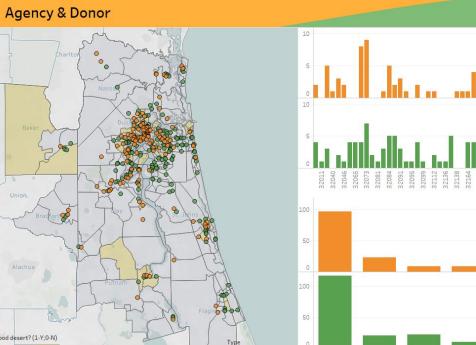


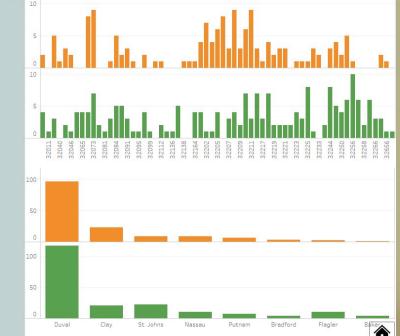


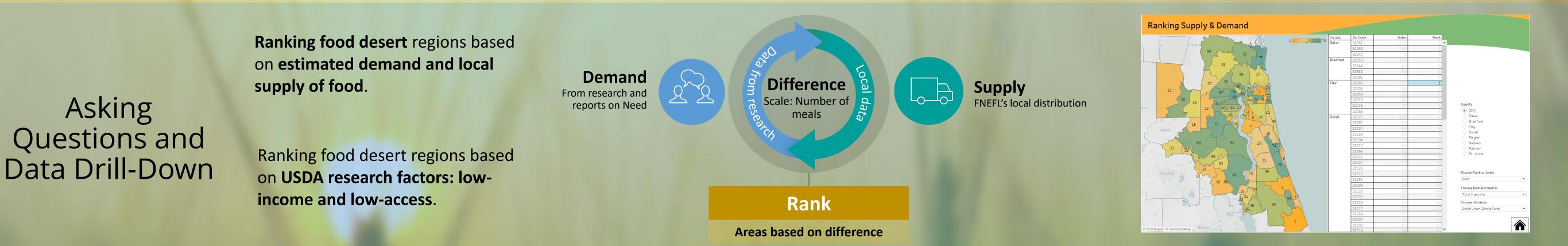
information systems (GIS)

10 miles

Rural areas







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USDA-ERS (2019b). Documentation for Food Access Research Atlas. US Department of Agriculture,

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atlas/documentation/. Accessed October 24, 2019.

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