R Dashboards for Census Data Publication

A Versatile and Cost-Effective New Tool

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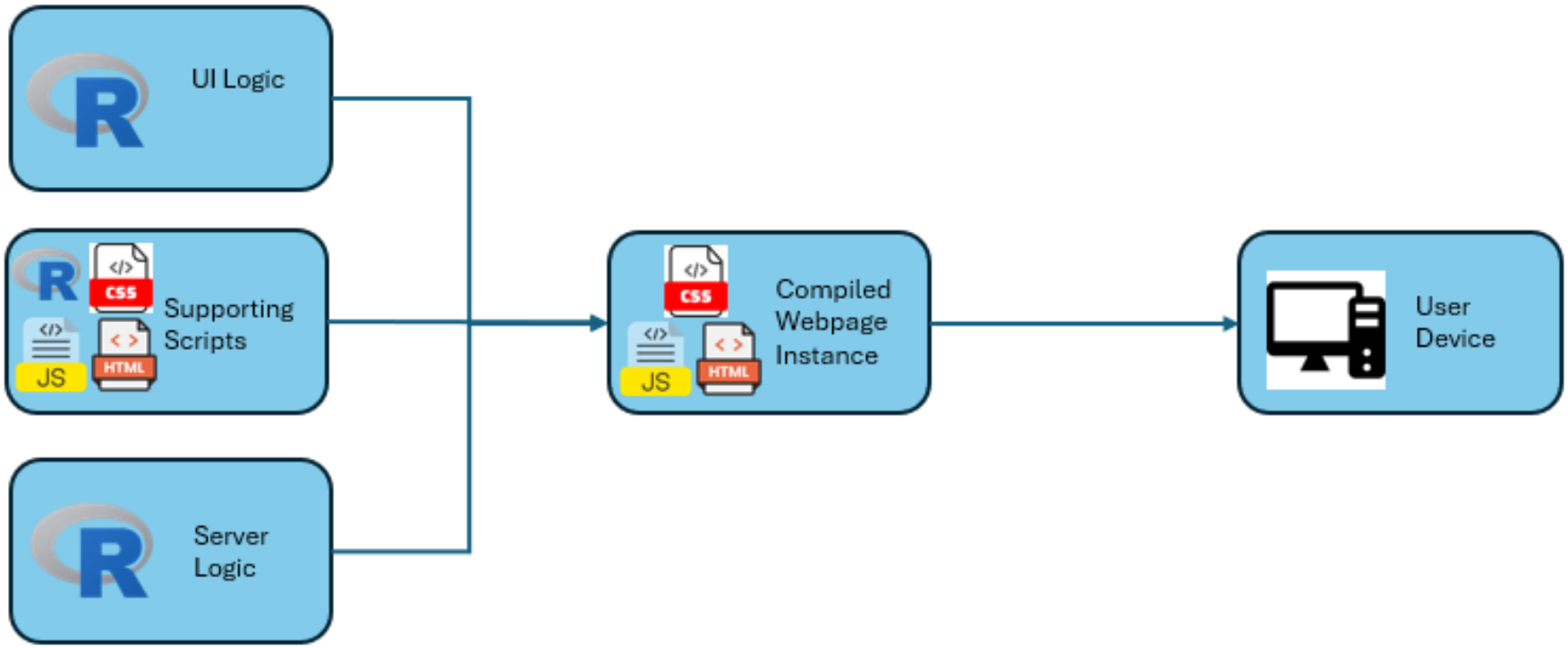
Understanding R

- An open source programming language
- Accompanying IDE RStudio is also open source
- Widely used among data-heavy occupations
- Many versatile packages available for download

Shiny

- A package for R that allows users to create web apps
- User creates R code defining UI and server logic
- R translates that code to html
- A server running the app on R can host it as a webpage

Shiny

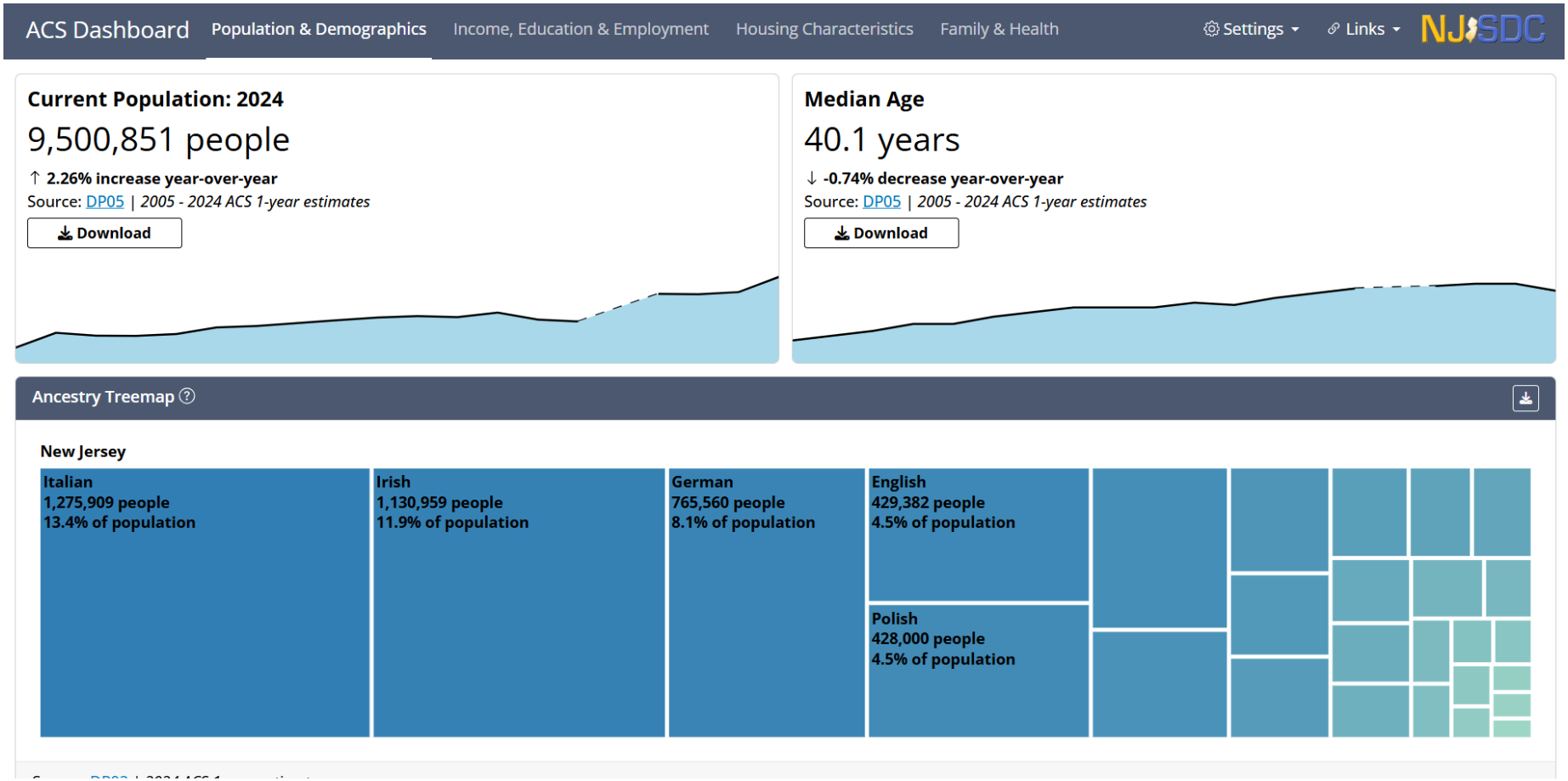

UI Logic
Supporting Scripts
Server Logic
Compiled Webpage Instance
User Device

ACS Dashboard

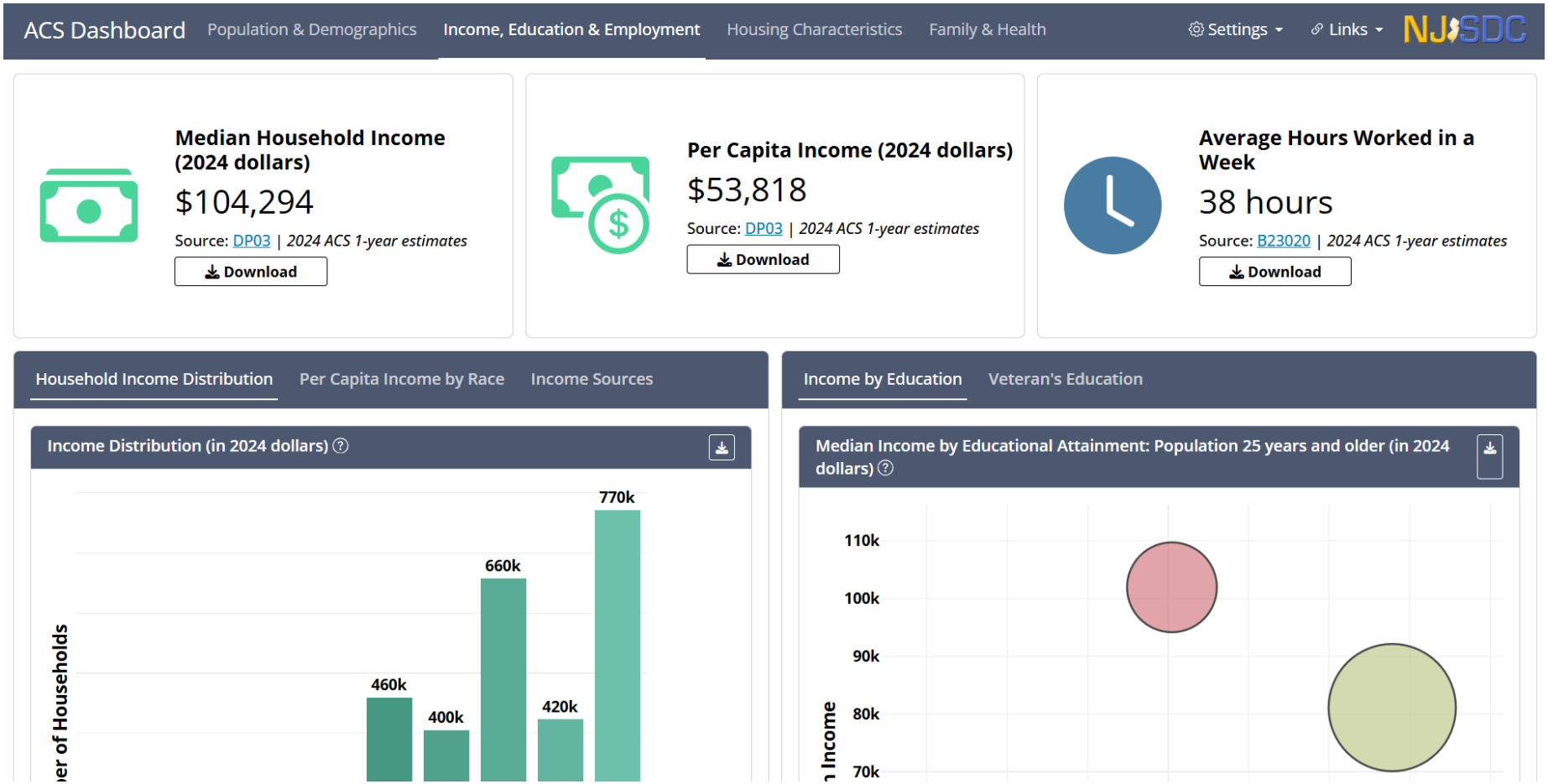
Goals:

- Make ACS data more widely accessible to general public
  - Allowing quick and simple data retrieval
  - Offering appealing and easily understood visuals for unfamiliar users
- Ease low-level data requests from stakeholders
- Provide resiliency to data outages

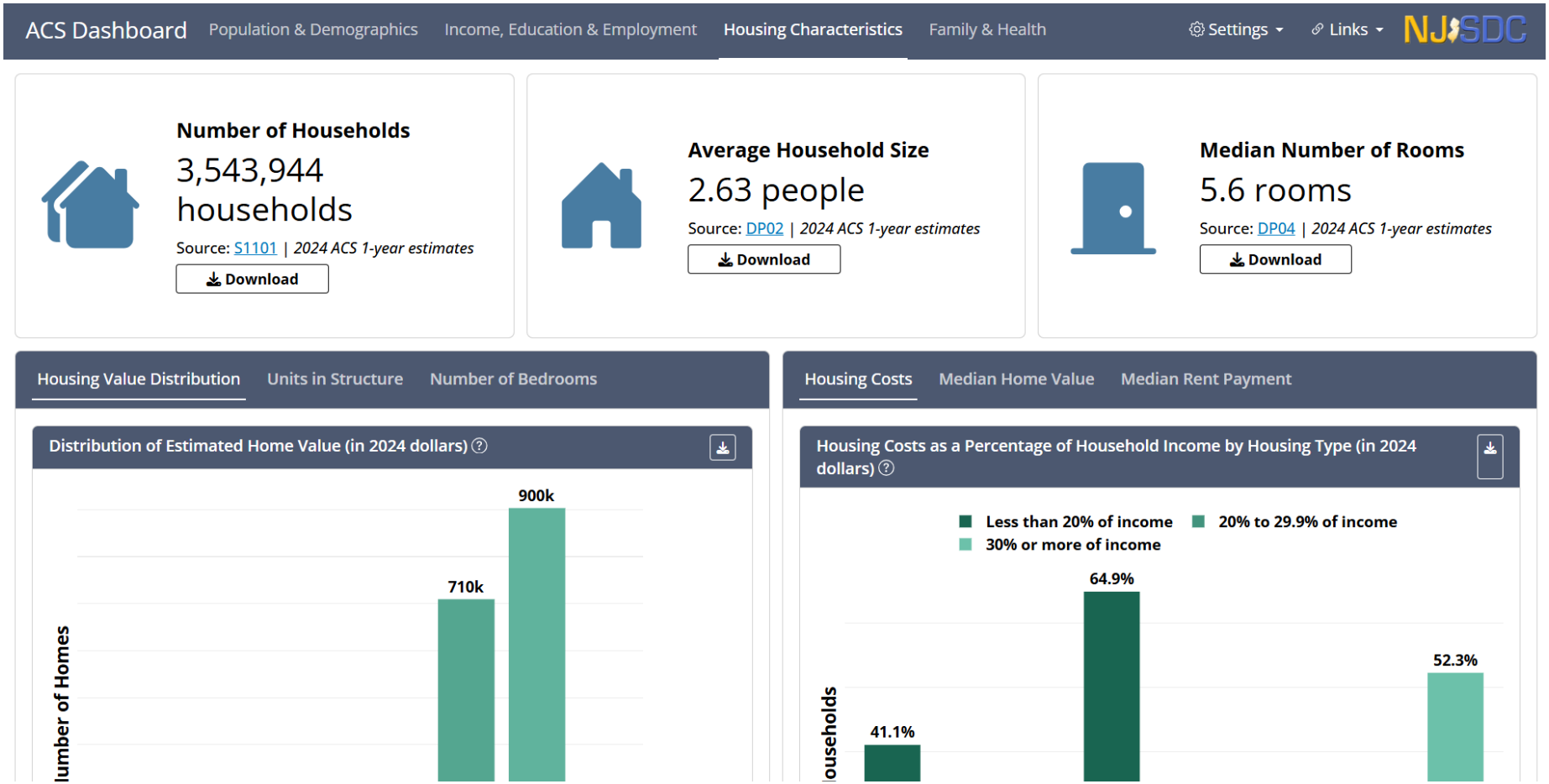
ACS Dashboard: Population and Demographics



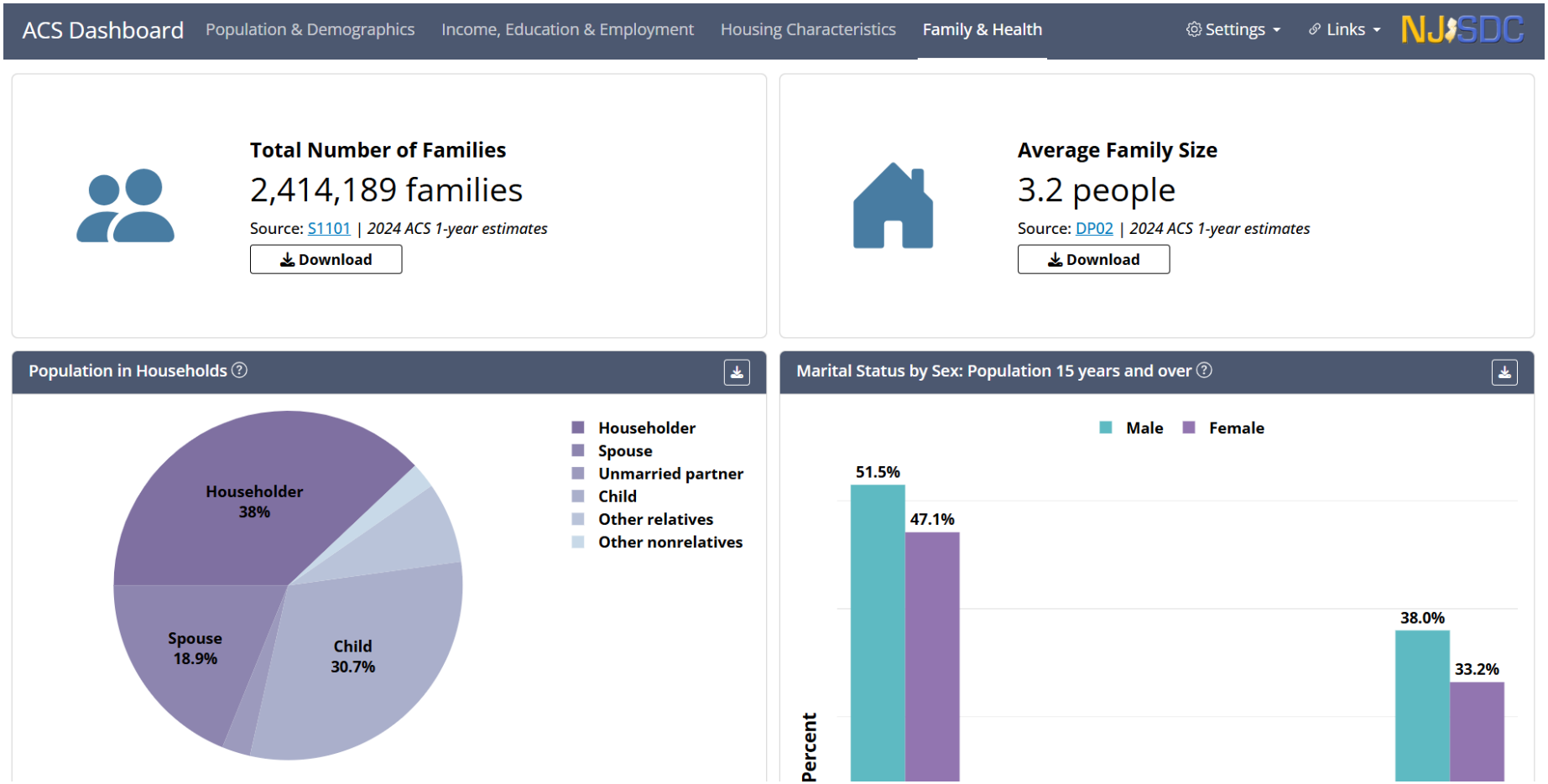
ACS Dashboard: Income, Education, and Employment



ACS Dashboard: Housing Characteristics



ACS Dashboard: Family and Health



ACS Report

2023 ACS Report for New Jersey

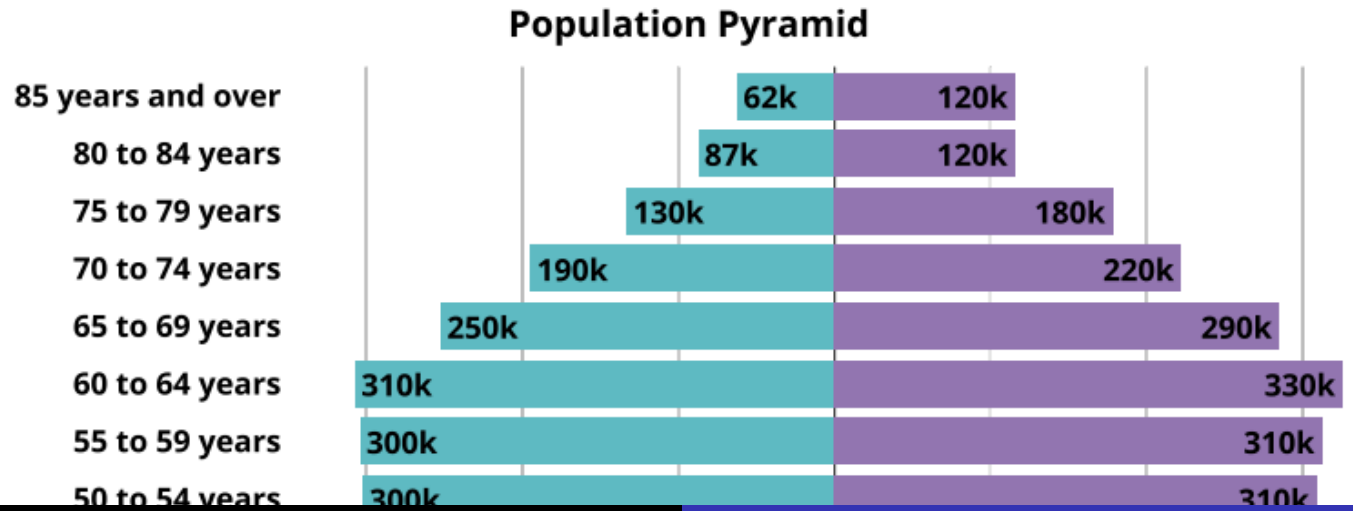
NJ SDC

Population and Demographics

In 2023, there were 9,290,841 people living in New Jersey, with the median age being 40.4 years old. Males comprised 49.2% (4,573,149 people) of the population, while females comprised 50.8% (4,717,692 people) of the population.

21.6% of the population (2,009,165 people) were under 18 years old, 60.7% (5,634,899 people) were between 18 and 64 years old, and 17.7% (1,646,777 people) were over 65 years old.

The largest age brackets were 60 to 64 years with 6.8% of the population (632,849 people), followed by 35 to 39 years with 6.8% (628,533 people), and then 55 to 59 years with 6.6% (616,330 people).



Questions?

Any questions?