

## **Team Members & GitHub Repository**

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## **Primary & Supplemental Datasets**

**Dataset:** The primary dataset that we will be using is the multi-year American Time Use Survey (ATUS) Activity Summary file, consisting of time use data in minutes from 2003 to 2021. The ATUS is the United States' first federally administered, continuous survey on time use, with the goal of measuring how people divide their time among life's activities.

The universe of respondents is composed of the civilian, non-institutional population residing in occupied households in the United States that are at least 15 years of age<sup>1</sup>. Respondents are asked about time spent doing various activities like working, household activities, education, leisure, and eating and sleeping.

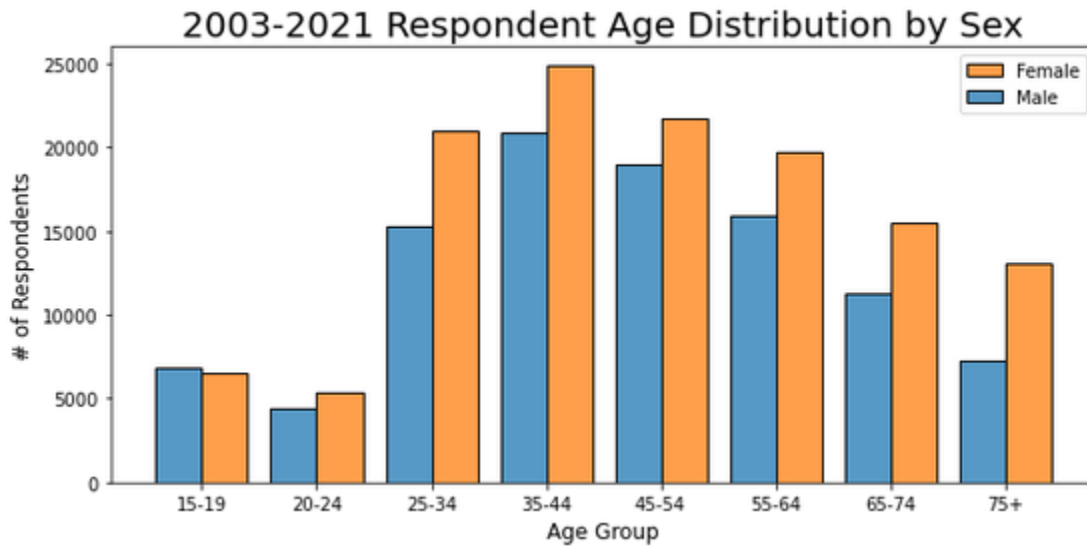
If needed, we will join the ATUS Respondent file to gain more demographic information on respondents. However, we anticipate that the demographic information available in the Activity Summary file will suffice for the scope of our analysis.

**Link to dataset:** <https://www.bls.gov/tus/datafiles/atusact-0321.zip>

We performed some initial data exploration on the respondents' data where we divided the respondents into eight age bins used by ATUS: we can observe that there are generally more female respondents across the age of 20-75+ and that the survey has the highest response rate from the age group 35-44.

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<sup>1</sup> *American Time Use Survey User's Guide*. (n.d.). U.S. Census Bureau.  
<https://www.bls.gov/tus/atususersguide.pdf>



## **Approach**

We plan on examining all years of the dataset, 2003-2021, though we will explore and focus on specific categories of activities (columns/variables) that may be most affected by sex. The content of our final report will be based on our guiding questions:

1. Do people of different sexes spend time differently? Does the difference vary by age groups? Have the sex differences in time use changed over time?
2. What are the categories of activities that have the biggest difference in time spent between sex? Which activities are seeing the biggest or smallest changes in differences between men and women over time?
  - a. We anticipate the following activity categories to have the biggest differences, though this may vary across age groups:
    - i. Household Activities
    - ii. Caring For & Helping Household (HH) Members
    - iii. Work & Work-Related Activities
    - iv. Socializing, Relaxing, and Leisure
3. Were any of the differences in time spent on the activities between the sexes affected by COVID-19?

Note: the ATUS survey only tracks respondent sex as a binary variable, male or female.