

Names of team members:

Ambro Quach
Chad Adelman
Gabby Tom
Uma Krishnan

Name of your team's GitHub repository:

https://github.com/UC-Berkeley-I-School/project2_tom_quach_krishnan_adelman

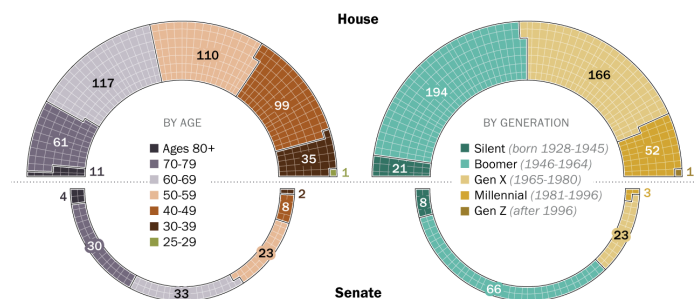
A primary dataset you intend to analyze:

We intend to analyze a dataset that contains information about US members of Congress since its formation. We plan to focus the analysis on the age of the members of Congress and how it has changed over time. The dataset allows us to explore the data to reach conclusions across chambers of Congress (house vs. senate), male vs. female, state represented, etc.

Initial plots, figures, or tables,

A look at the 118th Congress by age and generation

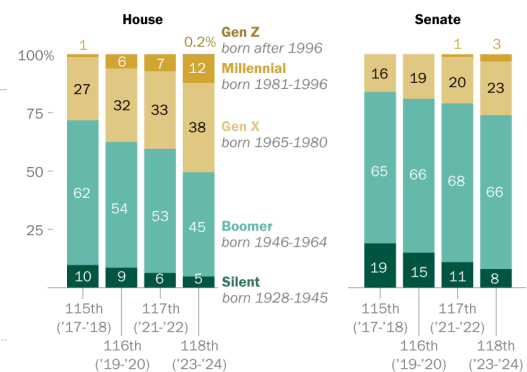
Number of voting members of the 118th Congress in each age group and generation



Note: This analysis reflects the makeup and ages of the 534 voting members of the 118th Congress as of Jan. 3, 2023.
Source: Pew Research Center analysis of birthdate data from the Biographical Directory of the United States Congress and other published sources.
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Younger generations make up growing share of Congress, especially in the House

Generational composition of the U.S. House of Representatives and Senate, by Congress (%)



Note: Because of different publishing dates and methodologies, each Congress has differing numbers of members and age calculations. For the 118th Congress, this analysis reflects the makeup and ages of 534 voting members as of Jan. 3, 2023, but also includes Sen. Pete Ricketts, who was sworn in on Jan. 23. For more information, read "How we did this."
Source: Pew Research Center analysis of birthdate data from the Biographical Directory of the United States Congress and other published sources.
PEW RESEARCH CENTER

Source:

<https://www.pewresearch.org/short-reads/2023/01/30/house-gets-younger-senate-gets-older-a-look-at-the-age-and-generation-of-lawmakers-in-the-118th-congress/>

Some of the variables (column names) you intend to explore and what kind of insights you expect to glean

We'll focus on chamber, state, party, incumbent, age, gender, birthday, and term start. We're attempting to gain insights into how the age (age column) of members of Congress has varied over time (term start column) and how this differs across other attributes of the congress member such as party, incumbent, etc.

Supplemental datasets, if any, to complement your primary dataset - this means links, columns that you'll join on, etc.

<https://datahub.io/core/five-thirty-eight-datasets/datasets/congress-age>
<https://github.com/unitedstates/congress-legislators?tab=readme-ov-file>
<https://theunitedstates.io/>

What you plan to cover in the final report and how you plan to organize it.

- Congress is supposed to represent the people (currently dominated by old, straight, white men). How is that reflected in our current Congress?
 - How has Congress's demographic changed over time versus the demographic of our current population?
 - What has this trend looked like historically?
 - By chamber (house vs. senate)
 - By party (Dem. vs Rep.)
- Is their age reflective of our current population?
 - Average age, ethnicity/state, gender ratio, party
- Our EDA will seek to explore the below:
 - Most/least common ethnicity, gender ratio?
 - Min age, max age, average age
 - Length of term, years of service
 - Per state? Average age/term length
 - Over the past __ years, how has this changed?
 - Per committee? Average age/term length
 - Over the past __ years, how has this changed?
- Explanatory visualization from our analysis
 - Tools we'll using: numpy, panda, matplotlib/seaborn, beautifulsoup

Steps:

- Overview -> Research Question -> Background (Existing Literature) -> Datasets Setup (Wrangling and Cleaning) -> Data Analysis (Descriptive and Explanatory) -> Visualization -> Conclusion and Results