

Effects of the COVID-19 pandemic on economic well-being in the United States*

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Abstract

First sentence. Second sentence. Third sentence. Fourth sentence.

1 Introduction

2 Data

The survey data that is presented within this paper is obtained from the 2021 United States General Social Survey (GSS).

2.1 Survey methodology

The US GSS was created to collect long term public opinion and sentiment within the United States. The main component of the survey is the replicating core, a central set of questions repeated in each year the survey was conducted for the purpose of exploring trends in opinion over time (CITATION US GSS 2021). Additional modules present but not always consistently asked from year to year include topics relevant for the year. Examples of this for 2021 included but not limited to: attitudes towards policing, racial discrimination, and attitudes relating to trust in institutions and the government dealing with COVID-19. A major strength of the US GSS is in its long existence and replicating core, allowing tracking of contemporary sentiments over a significant period of time. Prior to 2021, surveys were administered in person in an interview format by an interviewer, which as noted by the 2021 codebook resulted in high response rates of above 50%.

The target population of the GSS are adults over the age of 18 who lived in non-institutional housing at the time of taking the survey. The intention is to make the obtained sample an accurate representation of the national population of the United States, thus a stratified sampling method was chosen. Since 2004, the US GSS has used the sampling frame adapted from the list of postal addresses maintained by the United States Postal Service (USPS). Areas are categorised with respect to their population densities as either urban or rural.

However, a significant limitation as discussed in the GSS Cumulative Codebook (CITATION CUMULATIVE CODEBOOK) it is more often the case that urban and rural areas are interspersed. This causes difficulty for interviewers to effectively pursue interviewees, due to differences in density and ability to locate households in rural areas. From this, a multi-stage cluster sampling approach is applied. Firstly, stratification is performed- the entire sampling frame is grouped consisting of urban areas and one or more of its surrounding rural areas from which about half is selected. Secondly, each chosen area is divided into two segments according to

*Code and data are available at: [LINK](#).

whether they are part of a census tract or a block group. This allows for generating a high quality list of clustered addresses for interviewers to efficiently conduct the survey, reducing cost.

As stated by the GSS Cumulative Codebook, as of 2004 non-response of the survey has been addressed through sub-sampling. For all of the households in the sample that were non-respondents, a proportion, typically 50%, of those who were labelled as temporary non-respondents were pursued again. As such, those responses were weighted at 2 for the sub-sample to represent the entirety of the temporary non-respondents.

2.1.1 Methodology changes to 2021 GSS

Owing to the COVID-19 pandemic, the 2021 edition was primarily conducted through the web instead, with an alternative phone interview option. Participants were recruited through mail, who were then invited to complete the survey online. Given that this method was utilised, the consideration of an interviewer having to physically perform interviews was no longer required. Thus, a stratified non-clustered sampling approach was used for a greater sample size.

Another significant change was that non-respondents was not handled through sub-sampling.

3 Results

The survey data, along with the corresponding codebook, was retrieved from the GSS web portal (CITATION GSS WEBSITE). All analysis was performed in R (R Core Team 2021), with the data being read and prepared using `haven` (Wickham and Miller 2021) and `dplyr` (Wickham et al. 2021) respectively. Graphs were generated using `ggplot2` (Wickham 2016).

For the purpose of this paper, we will be focusing on the sub-section of economic well-being within the replicating core, specifically in the 2018 and 2021 rounds of the GSS. Of interest are the following questions:

Changes in financial situation - “During the last few years, has your financial situation been getting better, worse, or has it stayed the same?”

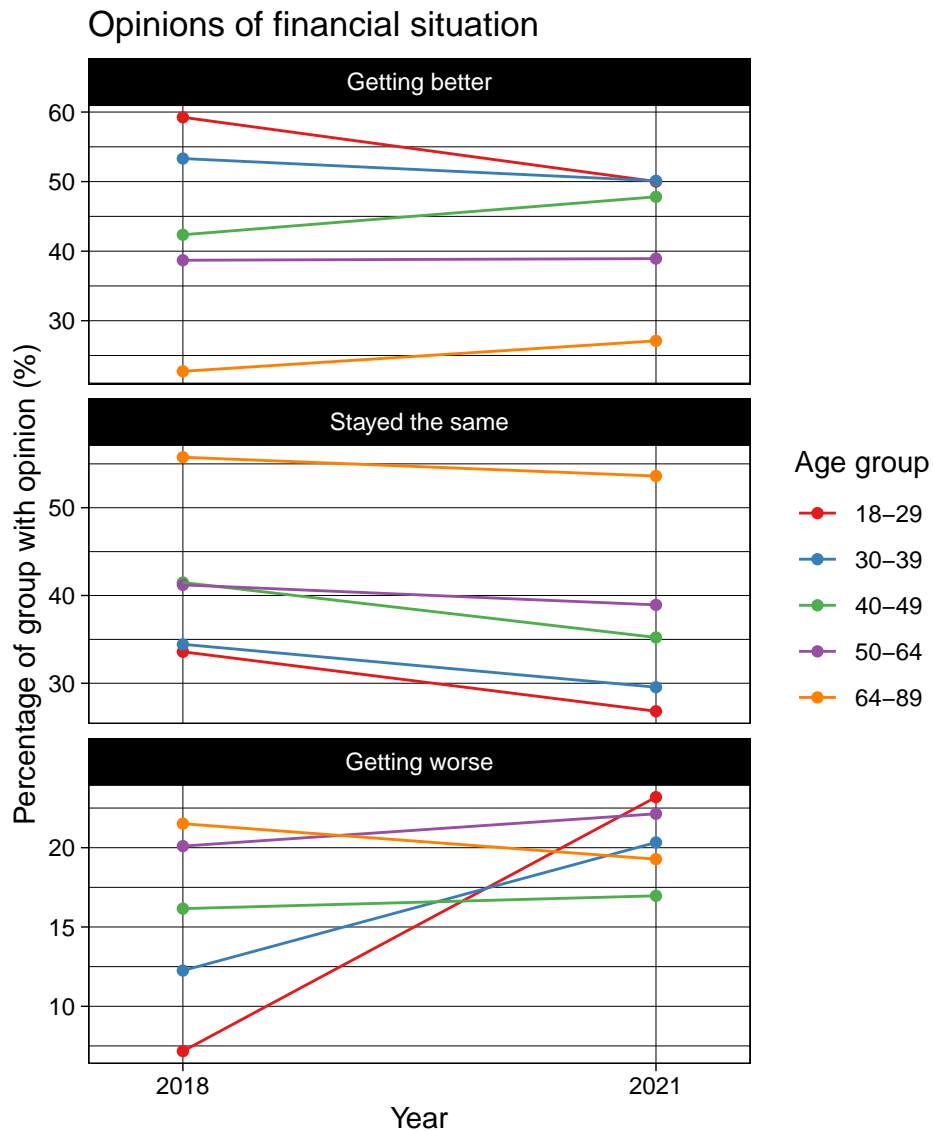
Opinion on family income - “Compared with American families in general, would you say your family income is far below average, below average, average, above average, or far above average?”

Standard of living will improve - “The way things are in America, people like me and my family have a good chance of improving our standard of living – do you agree or disagree?”

Satisfaction with financial situation - “We are interested in how people are getting along financially these days. So far as you and your family are concerned, would you say that you are pretty well satisfied with your present financial situation, more or less satisfied, or not satisfied at all?”

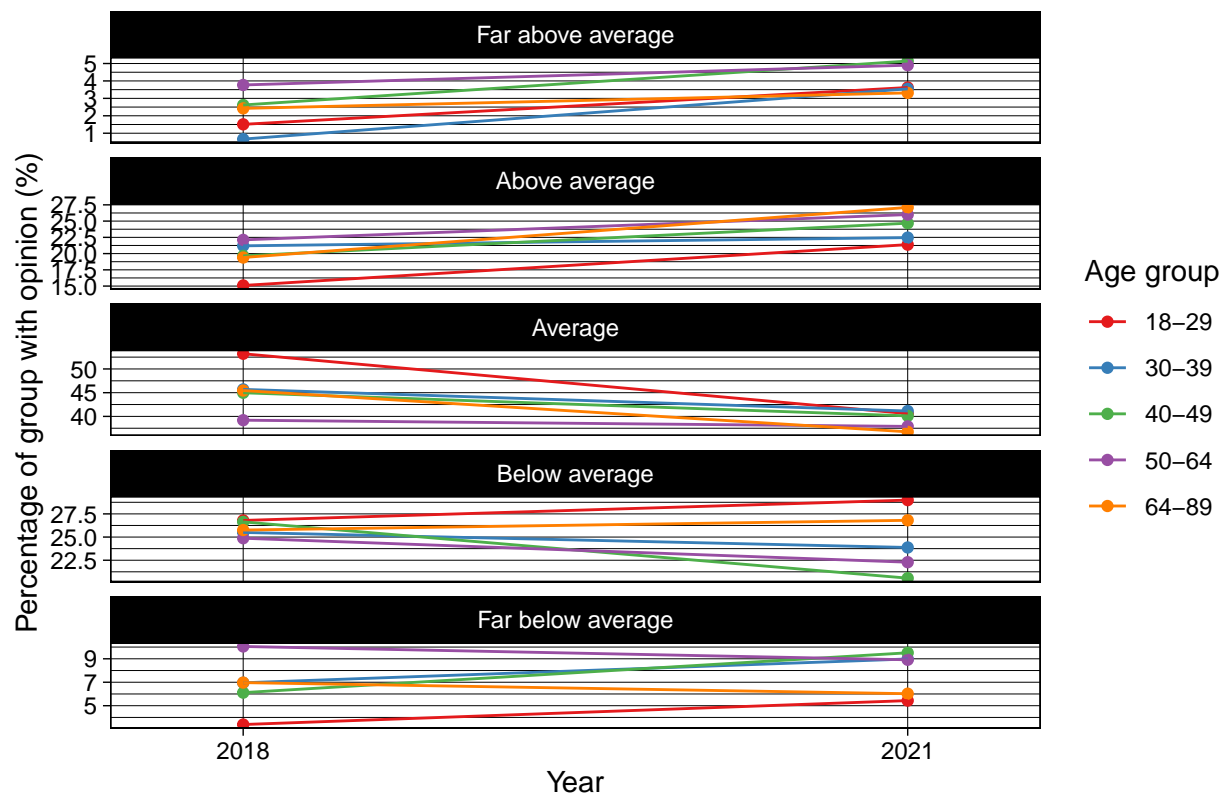
4 Discussion

4.1 Changes in financial situation



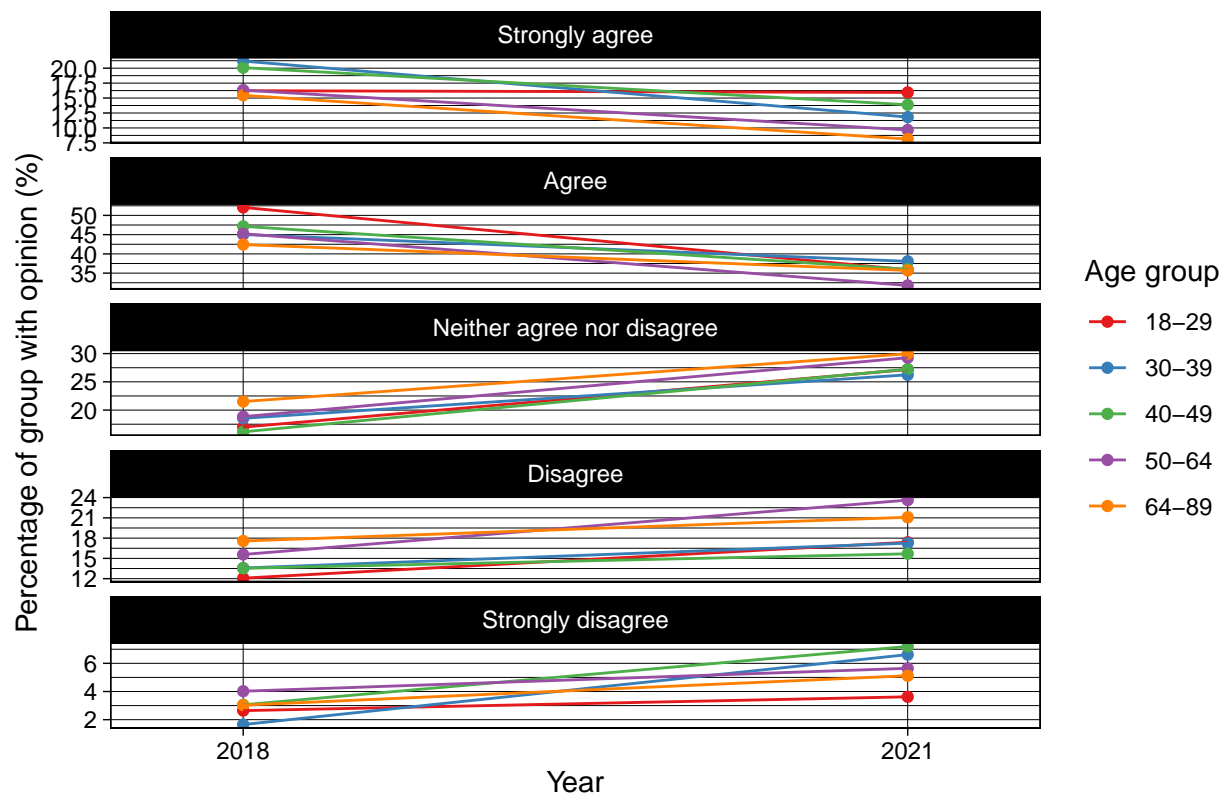
- 18-29 age group saw the most significant change in opinion, from being the group who least considered their financial situation to be getting worse to the most.
- All groups had saw a decrease in the response of 'stayed the same,' indicating some change
- 40-49, 64-89 saw an increase in 'getting better'; 50-64 almost no change between years (38.69% in 2018, 38.93% in 2021)

4.2 Opinion on family income

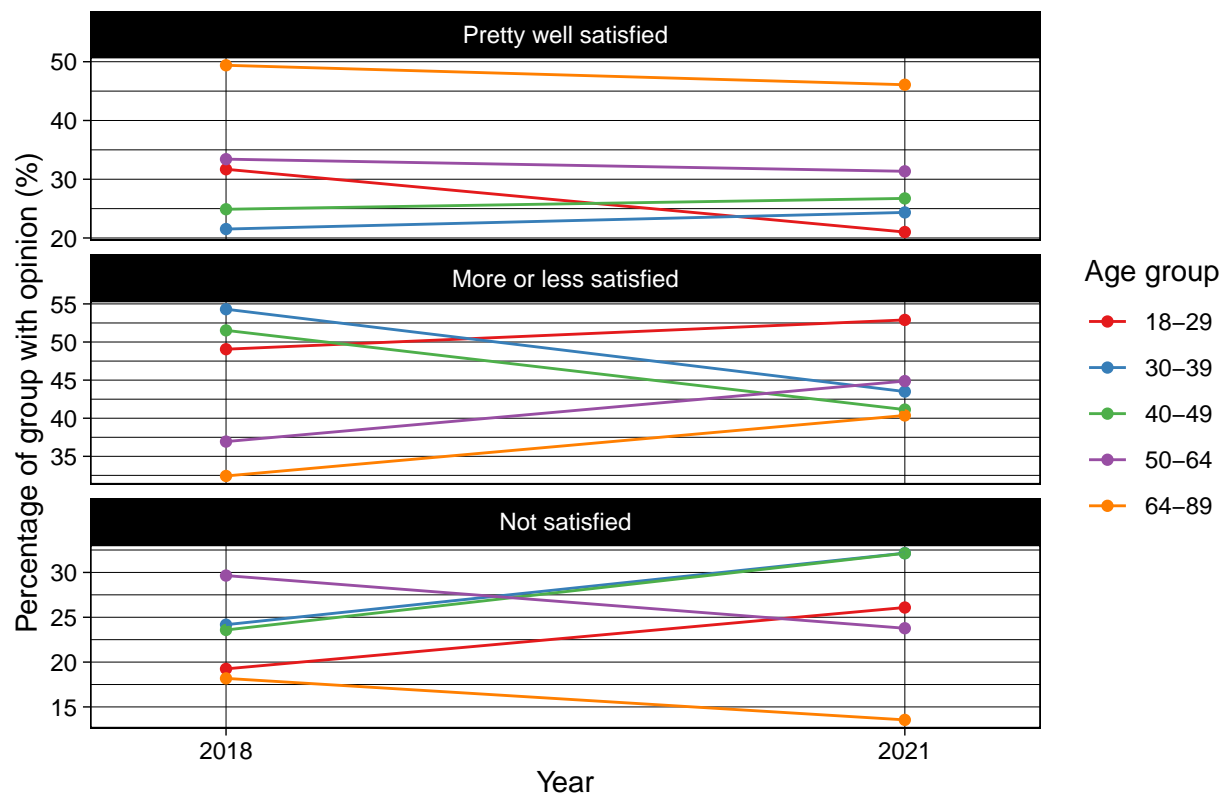


- note that this is not objective, reliant on subject opinion - all age groups became more opinionated in 2021- decrease in 'average' response - larger portion of all groups consider income to be far above average and above average in 2021 - below average- increases for 18-29 and 64-89 - far below average - increases in 18-29, 30-39, 40-49

4.3 Standard of living will improve



4.4 Satisfaction with financial situation



- more divisive and mixed opinions than prior questions

4.5 Weaknesses

- difference in survey methodology
- survey format in person vs web/phone
- question wording for financial changes: “last few years,” recency bias?
- 2021 codebook stating higher than normal non-response for factual information, response bias

4.6 Next steps

- under representation of certain populations in 2021 GSS, using weights to adjust
- missing questions from the replicating core in 2021, specifically regarding job security

A Supplementary survey

References

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