

Extension of Gauchat (2012)—Politicization of Science in the Public Sphere: A Study of Public Trust in the United States, 1974 to 2021 [Draft]

Presentation of Figures

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June 4, 2022

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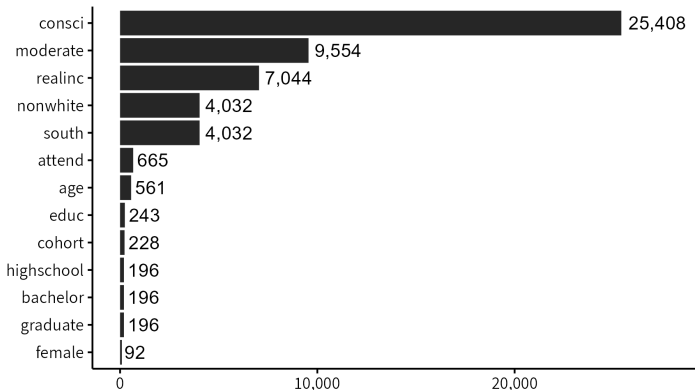
Missing Values

Missing Values Summary (1)

Number of Missing Values

Plot only shows variables with missing values

(Total number of observations: 68,846)

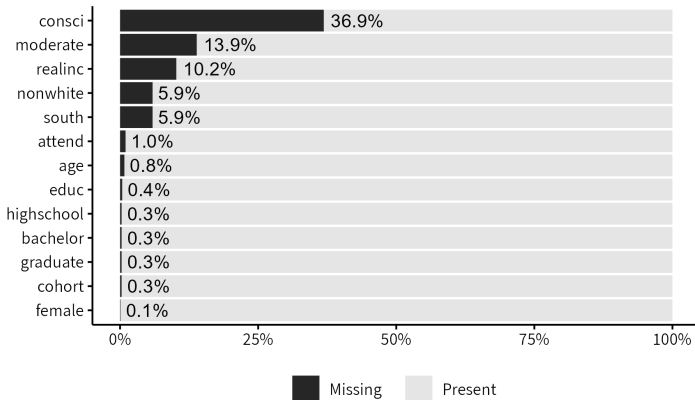


GSS 2021 (4,032 observations) did not include "race" and "region" variables.

Missing Values Summary (2)

Fraction of Missing Values

Plot only shows variables with missing values



GSS 2021 (4,032 observations) did not include "race" and "region" variables.

Comparison of Data With(out) Missing Income Values

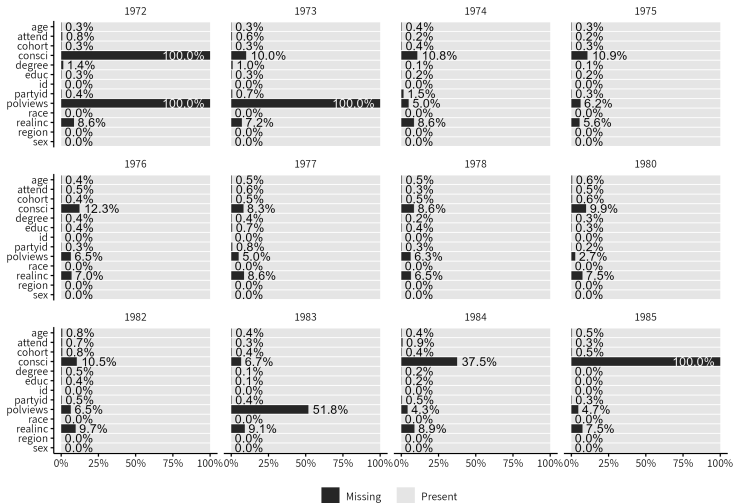
Data Without Missing Values vs. Data with Missing Income Values

Plot only shows binary dummy variables



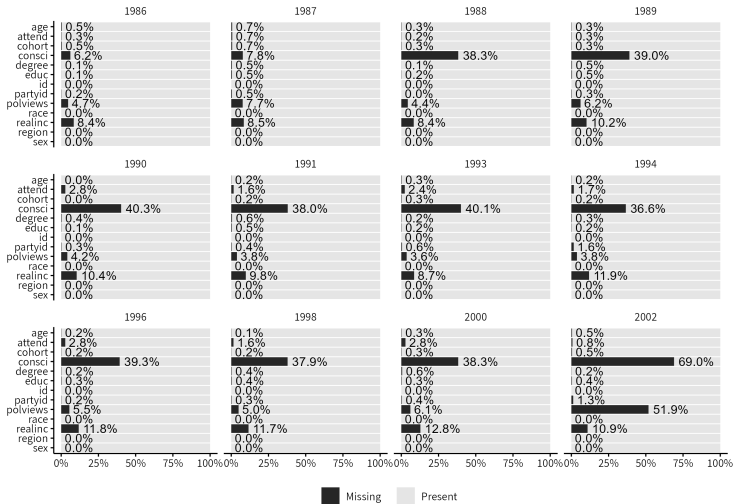
Missing Values by Year (1)

Fraction of Missing Values (1)



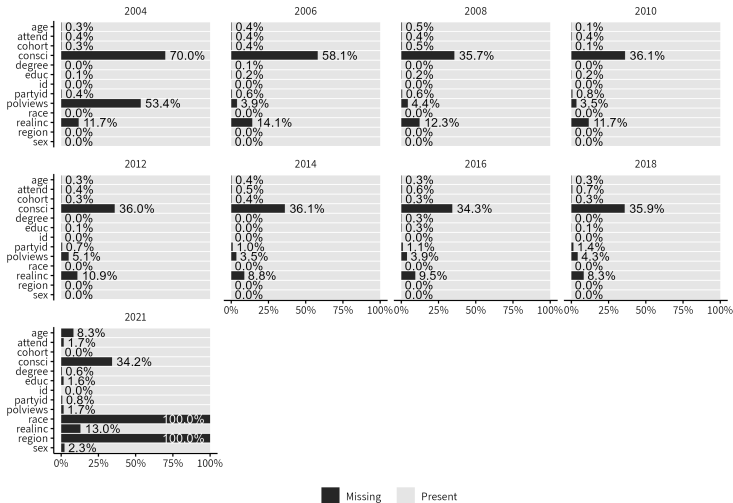
Missing Values by Year (2)

Fraction of Missing Values (2)



Missing Values by Year (3)

Fraction of Missing Values (3)



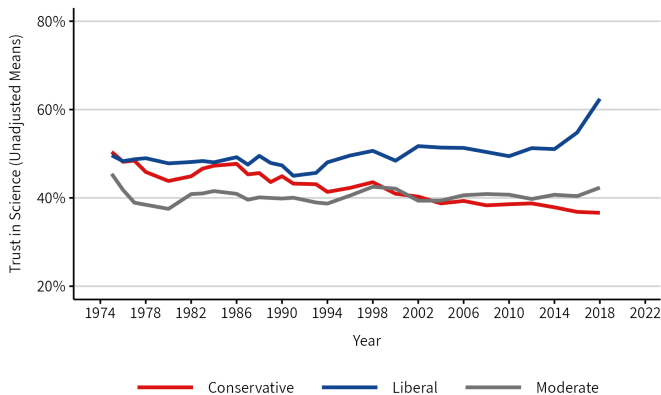
Aggregate Statistics

Confidence in Science by Political Ideology Over Time (1)

Cleaned Sample

Public Trust in Science for Each Survey Year by Political Ideology

Three-period moving averages for each group to smooth the patterns overtime

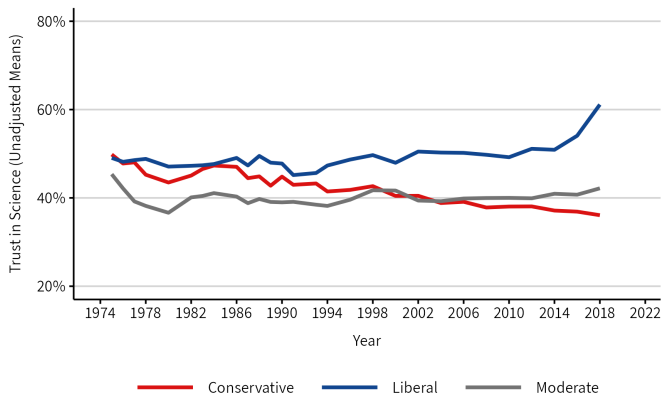


Confidence in Science by Political Ideology Over Time (2)

Pre-Cleaned Sample Including Missing Values

Public Trust in Science for Each Survey Year by Political Ideology

Three-period moving averages for each group to smooth the patterns overtime

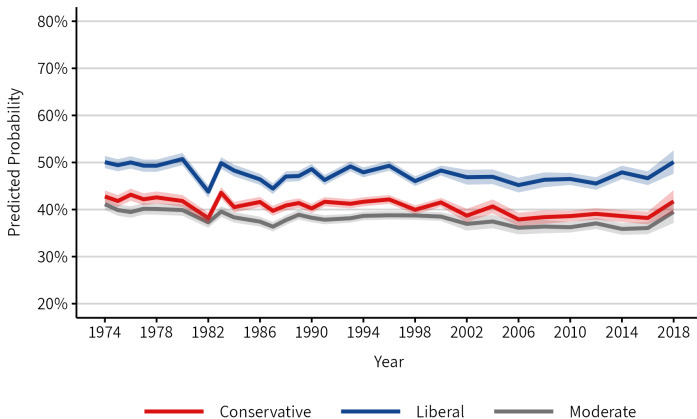


Predictive Analysis

Predicted Trust in Science, *Excluding* 2021 (1)

Predicted Probability of Sharing "a great deal" of Confidence in Science

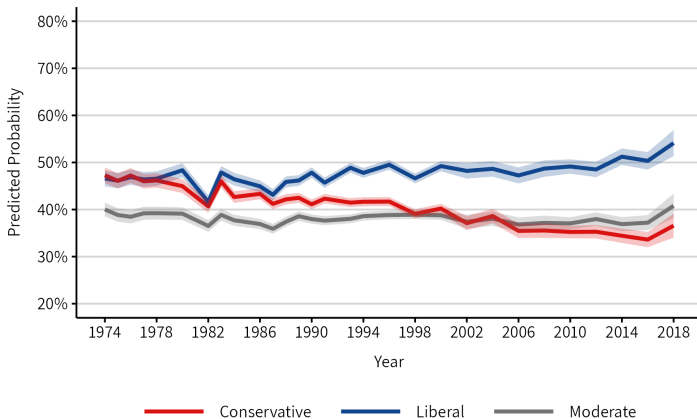
Model 1 (Excluding 2020/2021)



Predicted Trust in Science, *Excluding* 2021 (2)

Predicted Probability of Sharing "a great deal" of Confidence in Science

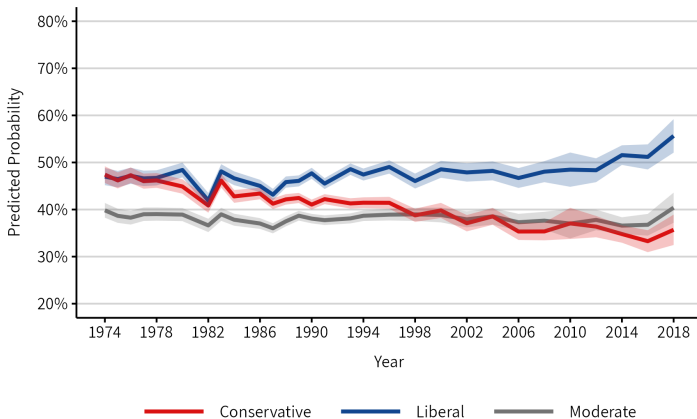
Model 2 (Excluding 2020/2021)



Predicted Trust in Science, *Excluding* 2021 (3)

Predicted Probability of Sharing "a great deal" of Confidence in Science

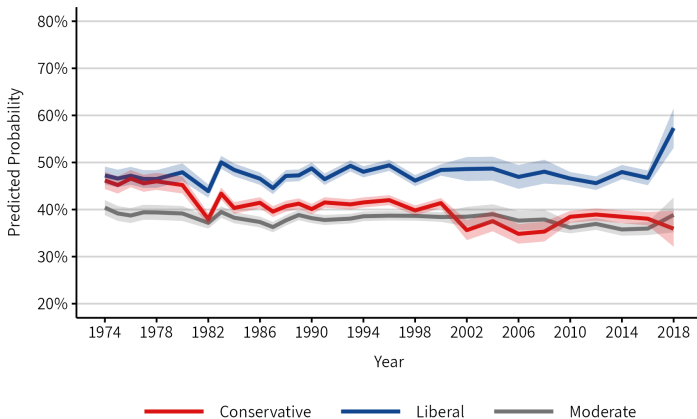
Model 2 Variation (Excluding 2020/2021)



Predicted Trust in Science, *Excluding* 2021 (4)

Predicted Probability of Sharing "a great deal" of Confidence in Science

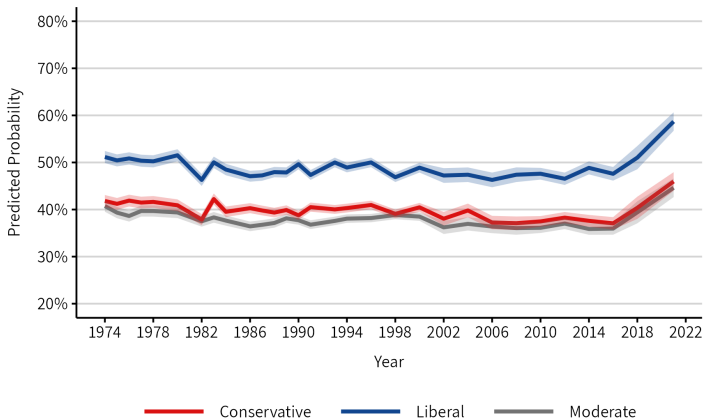
Model 3 (Excluding 2020/2021)



Predicted Trust in Science, *Including* 2021 (1)

Predicted Probability of Sharing "a great deal" of Confidence in Science

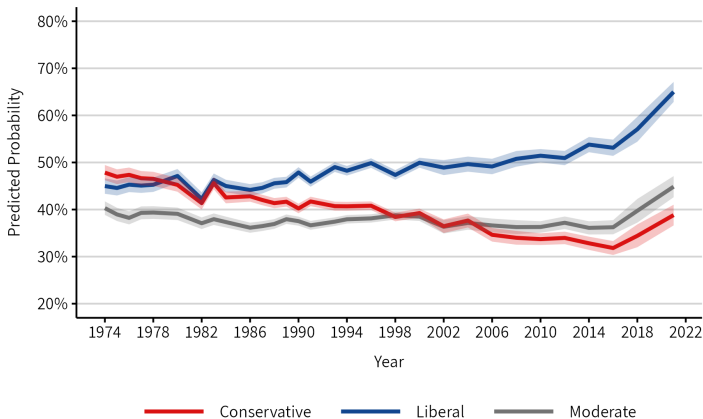
Model 4 (Including 2020/2021)



Predicted Trust in Science, *Including* 2021 (2)

Predicted Probability of Sharing "a great deal" of Confidence in Science

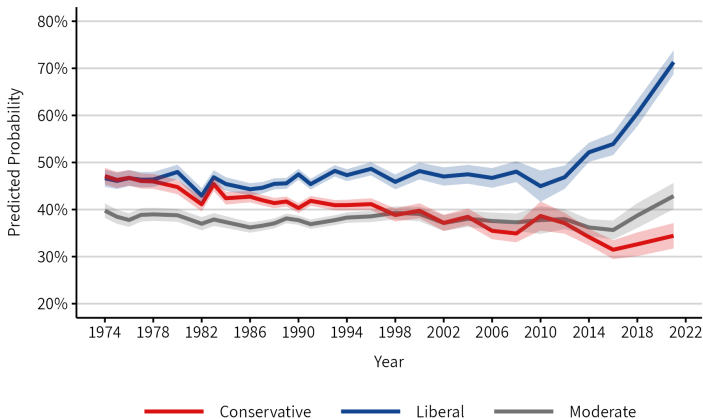
Model 5 (Including 2020/2021)



Predicted Trust in Science, *Including* 2021 (3)

Predicted Probability of Sharing "a great deal" of Confidence in Science

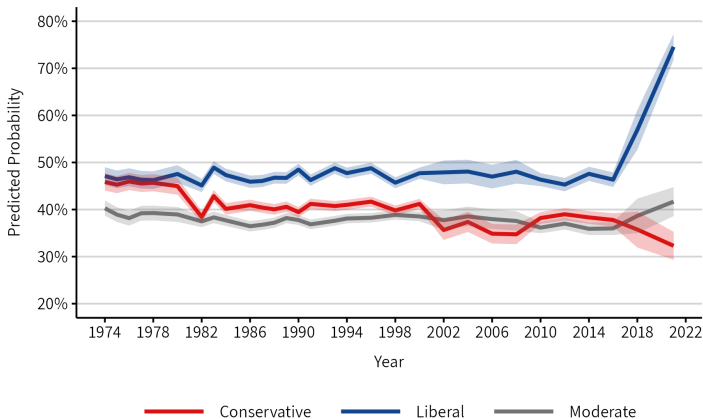
Model 5 Variation (Including 2020/2021)



Predicted Trust in Science, *Including* 2021 (4)

Predicted Probability of Sharing "a great deal" of Confidence in Science

Model 6 (Including 2020/2021)



Appendix

Please find the data sets, scripts, and other supporting files and documents in the project's GitHub repository at <https://github.com/clemensheithecker/bachelor-thesis>.

References

- Davern, Bautista, Freese, Morgan, & Smith. (2021). *General social survey 2021 cross-section* [Dataset and codebook]. NORC ed. Chicago. <https://gss.norc.org>
- Gauchat, G. . (2012). Politicization of science in the public sphere: A study of public trust in the united states, 1974 to 2010. *American Sociological Review*, 77(2), 167–187. <https://doi.org/10.1177/0003122412438225>