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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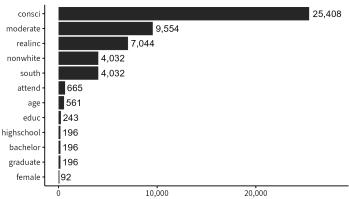
References

#### Missing Values

#### Missing Values Summary (1)

#### **Number of Missing Values**

Plot only shows variables with missing values (Total number of observations: 68,846)

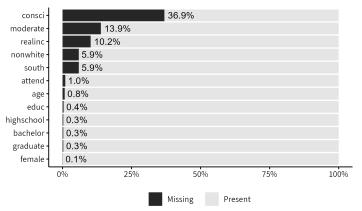


GSS 2021 (4,032 observations) did not include "race" and "region" variables.

#### Missing Values Summary (2)

#### **Fraction of Missing Values**

Plot only shows variables with missing values

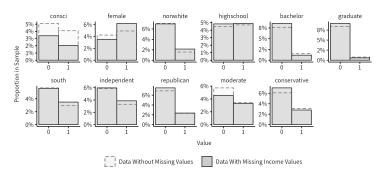


GSS 2021 (4,032 observations) did not include "race" and "region" variables.

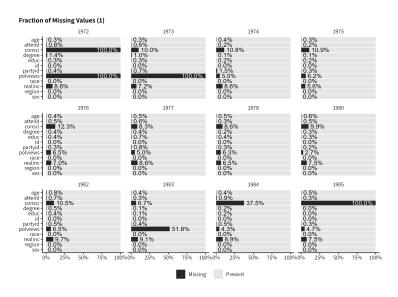
#### Comparison of Data With(out) Missing Income Values

#### Data Without Missing Values vs. Data with Missing Income Values

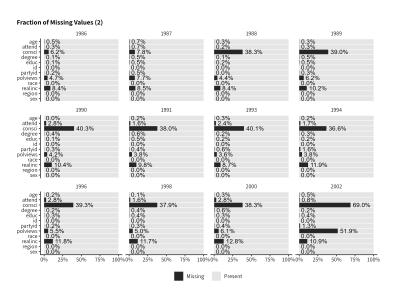
Plot only shows binary dummy variables



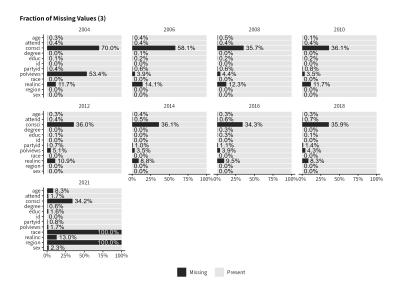
#### Missing Values by Year (1)



#### Missing Values by Year (2)



#### Missing Values by Year (3)

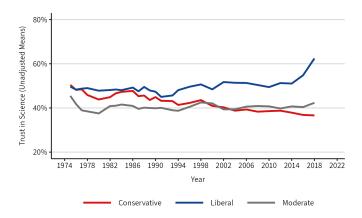


## Aggregate Statistics

# 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

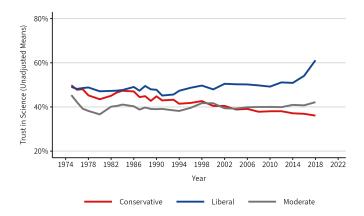


# Confidence in Science by Political Ideology Over Time (2)

Pre-Cleaned Sample Including Missing Values

#### Public Trust in Science for Each Survey Year by Political Ideology

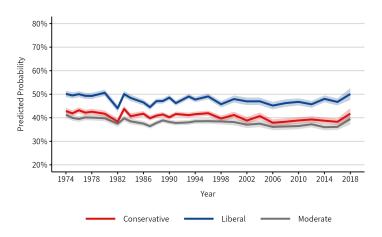
Three-period moving averages for each group to smooth the patterns overtime



# Predictive Analysis

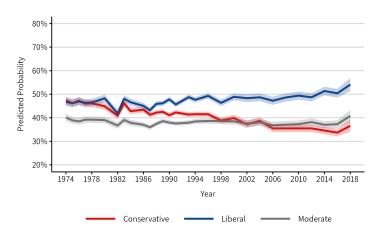
#### Predicted Trust in Science, Excluding 2021 (1)

## Predicted Probability of Sharing "a great deal" of Confidence in Science Model 1 (Excluding 2020/2021)



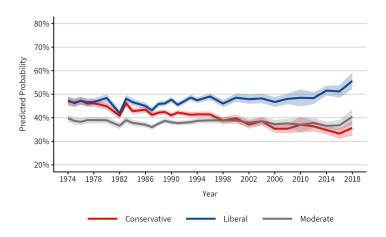
#### Predicted Trust in Science, Excluding 2021 (2)

## Predicted Probability of Sharing "a great deal" of Confidence in Science Model 2 (Excluding 2020/2021)



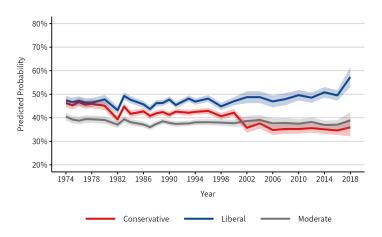
#### Predicted Trust in Science, Excluding 2021 (3)

## Predicted Probability of Sharing "a great deal" of Confidence in Science Model 2 Variation (Excluding 2020/2021)



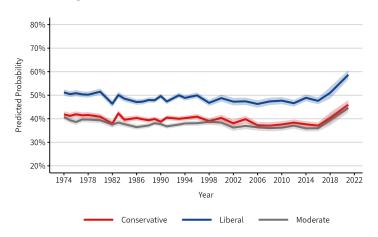
#### Predicted Trust in Science, Excluding 2021 (4)

## Predicted Probability of Sharing "a great deal" of Confidence in Science Model 3 (Excluding 2020/2021)



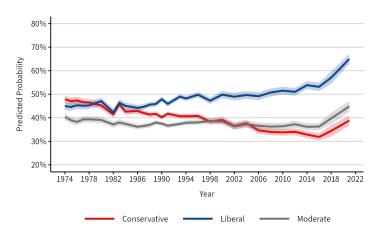
#### Predicted Trust in Science, *Including* 2021 (1)

## Predicted Probability of Sharing "a great deal" of Confidence in Science Model 4 (Including 2020/2021)



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

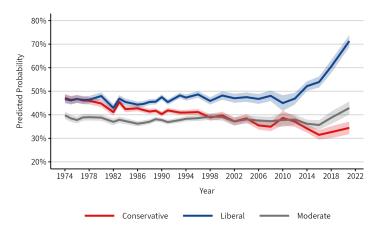
## Predicted Probability of Sharing "a great deal" of Confidence in Science Model 5 (Including 2020/2021)



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

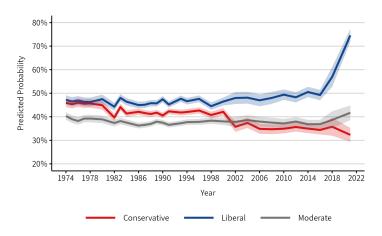
#### Predicted Probability of Sharing "a great deal" of Confidence in Science

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