

Science Curiosity Study 1 Data

Descriptives and other oddities. . .

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Participants

$N_{total} = 541$: $N_{con} = 226$, $N_{lib} = 265$, $N_{mod} = 50$

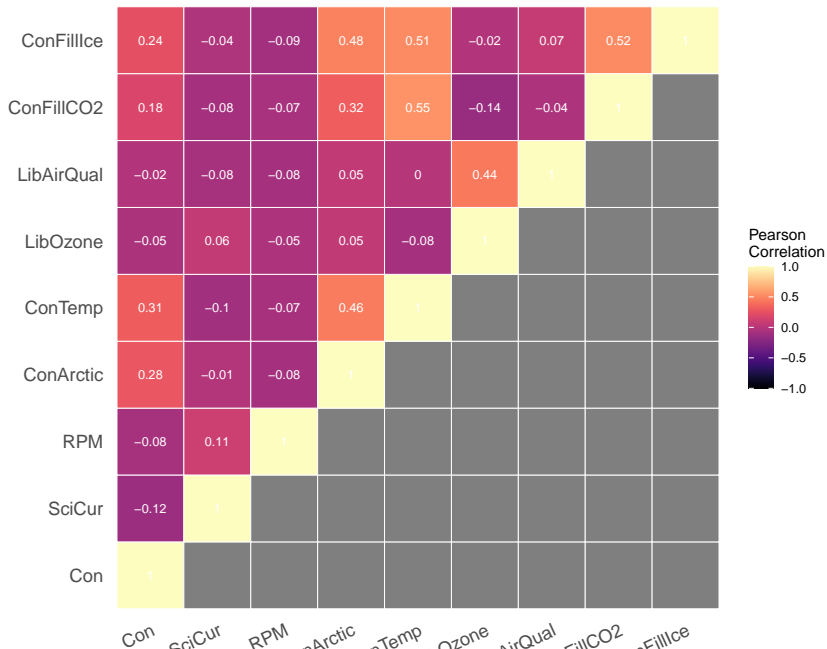
$N_{final} = 491$

- ▶ **Political ideology:** 46.03% conservative, 53.97% liberal
- ▶ **Age:** $Mean_{age} = 43.23$ (range: 21-78)
- ▶ **Gender:** 41.77% women, 47.87% men, 0.37% non-binary folks, 0.74% preferred not to answer
- ▶ **Race:** 75.05% White, 5.36% Black, 2.59% Hispanic, 5.91% Asian

Basic Descriptives

| | Min | Max | SD | Mean | Median | Skew |
|--------------|-----|-----|------|-------|--------|-------|
| SciCuriosity | 9 | 44 | 5.79 | 24.73 | 25 | 0.00 |
| RPM | 1 | 10 | 1.59 | 5.64 | 6 | -0.12 |
| ConArctic | -3 | 3 | 1.32 | -1.43 | -2 | 1.14 |
| ConTemp | -3 | 3 | 1.14 | -1.69 | -2 | 1.28 |
| LibOzone | -3 | 3 | 1.41 | -0.26 | -1 | 0.45 |
| LibAir | -3 | 3 | 1.59 | -0.82 | -1 | 0.79 |
| ConFillIce | -3 | 3 | 1.19 | -2.10 | -2 | 1.93 |
| FillBacteria | -3 | 3 | 1.25 | -0.27 | 0 | 0.21 |
| FillQuake | 0 | 1 | 0.46 | 0.31 | 0 | 0.82 |

Correlations



Descriptives by Ideology

Science Curiosity and Cognitive Ability:

| | Conservative | | Liberal | |
|--------------|--------------|-------|---------|-------|
| | MeanCon | SECon | MeanLib | SELib |
| SciCuriosity | 24.12 | 0.38 | 25.25 | 0.35 |
| RPM | 5.55 | 0.10 | 5.71 | 0.10 |

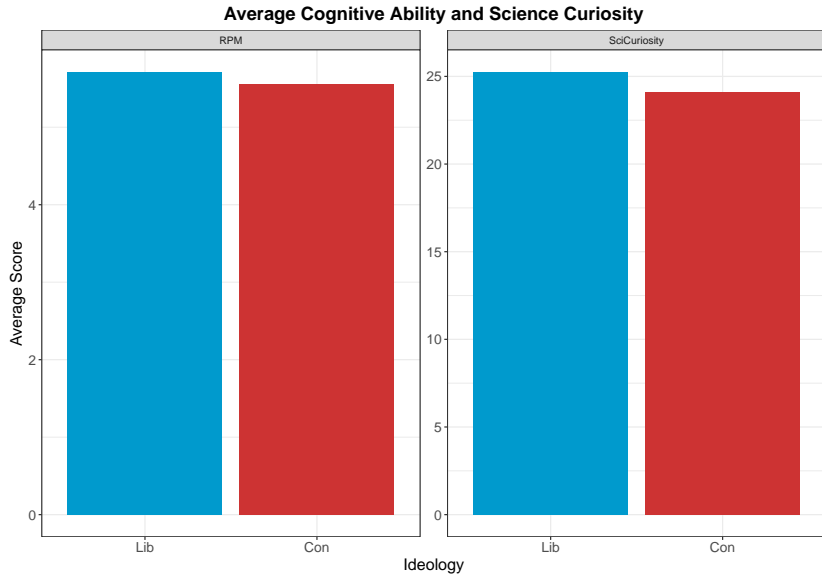
Motivated Reasoning Items:

| | Conservative | | Liberal | |
|--------------|--------------|-------|---------|-------|
| | MeanCon | SECon | MeanLib | SELib |
| ConArctic | -1.07 | 0.09 | -1.73 | 0.07 |
| ConTemp | -1.37 | 0.08 | -1.97 | 0.06 |
| LibOzone | -0.32 | 0.09 | -0.21 | 0.09 |
| LibAir | -0.85 | 0.10 | -0.81 | 0.10 |
| ConFillIce | -1.83 | 0.09 | -2.33 | 0.06 |
| FillBacteria | -0.16 | 0.08 | -0.35 | 0.08 |
| FillQuake | 0.29 | 0.03 | 0.33 | 0.03 |

“3-way Interaction” Means

| sc3 | rpm3 | ideo2 | ConArctic_rmean | ConArctic_rse | ConTemp_r |
|------|------|-------|-----------------|---------------|-----------|
| High | High | Con | -1.05 | 0.18 | |
| High | High | Lib | -1.85 | 0.11 | |
| High | Low | Con | -1.00 | 0.22 | |
| High | Low | Lib | -1.45 | 0.20 | |
| Low | High | Con | -1.05 | 0.15 | |
| Low | High | Lib | -1.88 | 0.12 | |
| Low | Low | Con | -1.19 | 0.18 | |
| Low | Low | Lib | -1.71 | 0.17 | |

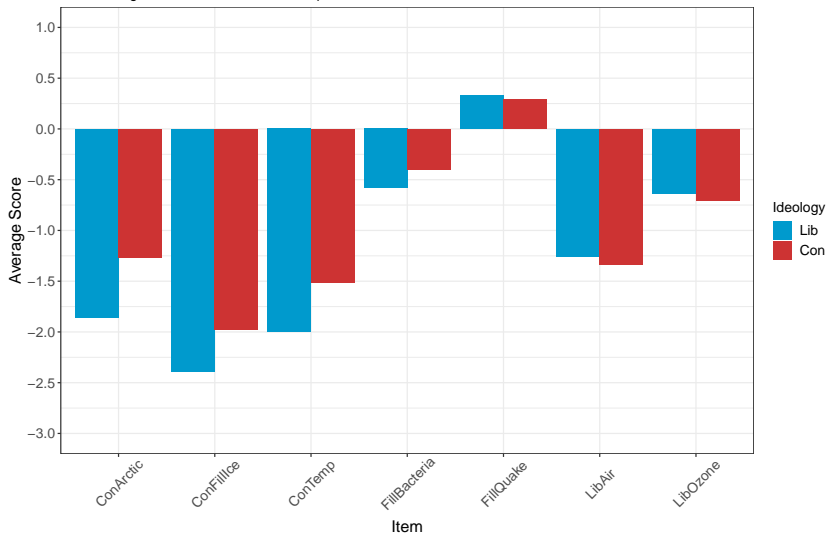
Descriptives by Ideology



Endpoint Bias by Ideology

Average Scores on Motivated Reasoning Items

Higher scores indicate more endpoint bias.



Conclusion

- ▶ idk yet