Can Exposure to Moral Foundations Affect Our Reactions to Policy Proposals?

W241 Experiments and Causality (submitted December X, 2019)

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Abstract

TBD

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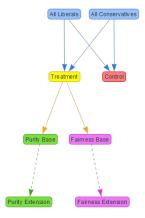


Figure 1: Study Flowchart

1 Background

[[TBD]]

2 Data

[[TBD]]

2.0.1 Data Cleaning

 $[[TBD]]^{-1}$

2.1 Exploratory Analysis

[[TBD]]

2.1.1 Study Setup

ideology_bin	arm	Count
conservative	control	89
conservative	purity_base	77

 $^{^{1}}$ [[Example footnote]]

ideology_bin	arm	Count
conservative	purity_extension	79
conservative	fairness_base	18
conservative	fairness_extension	18
liberal	control	47
liberal	purity_base	45
liberal	purity_extension	47
liberal	fairness_base	35
liberal	fairness_extension	29
moderate	control	5
moderate	purity_base	8
moderate	purity_extension	4
moderate	fairness_extension	4

2.1.2 Demographics

Example reference to r cell $Figure\ 2$ shows [[TBD]]

2.1.3 Reactions

2.1.4 Outcome

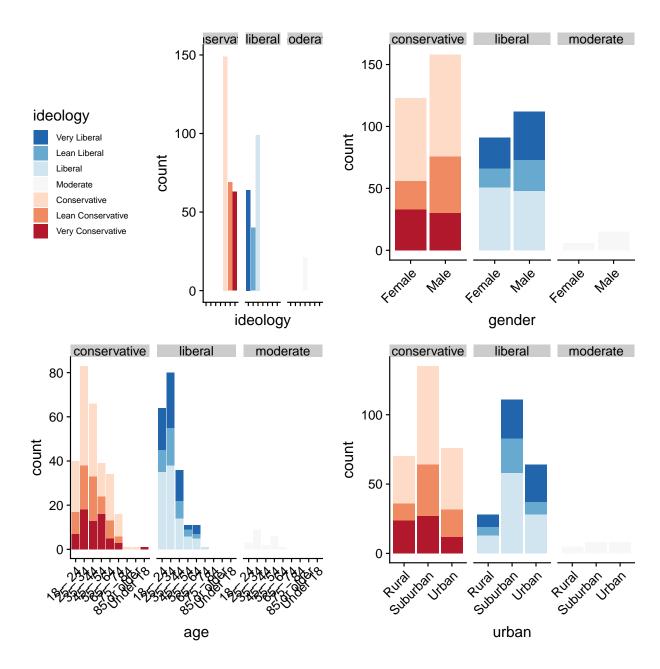


Figure 2: Demographics

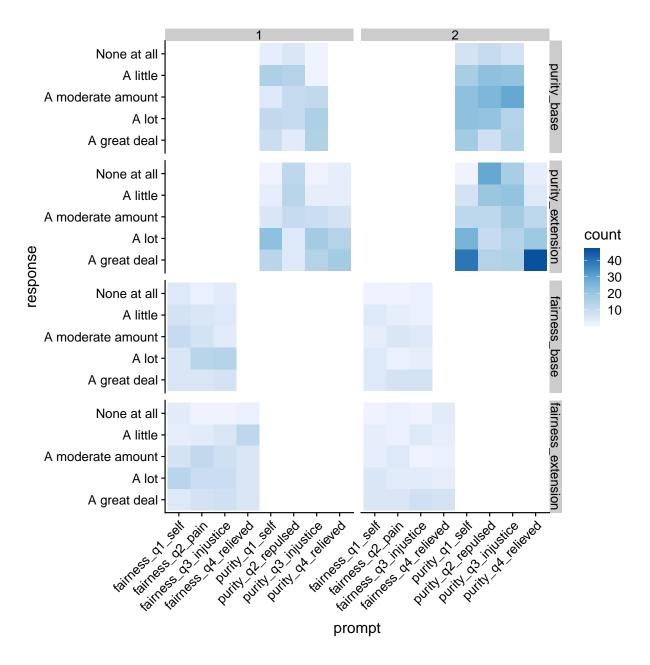


Figure 3: Reactions

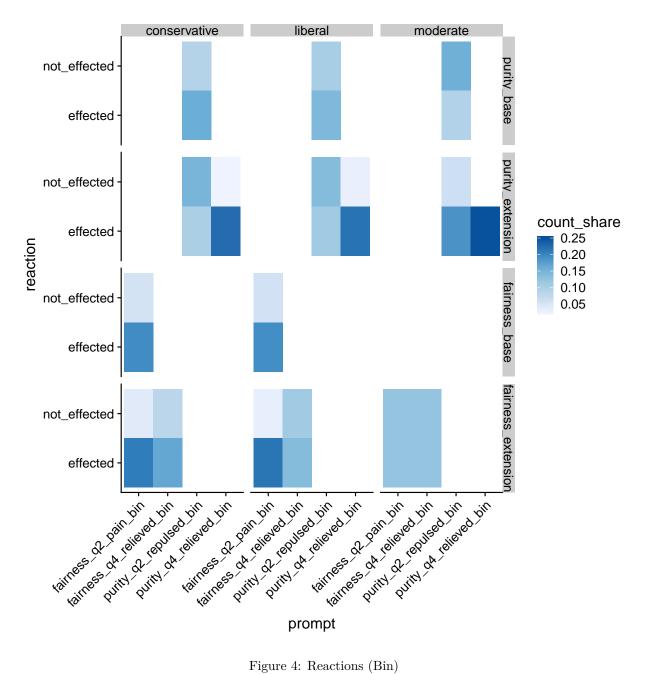


Figure 4: Reactions (Bin)

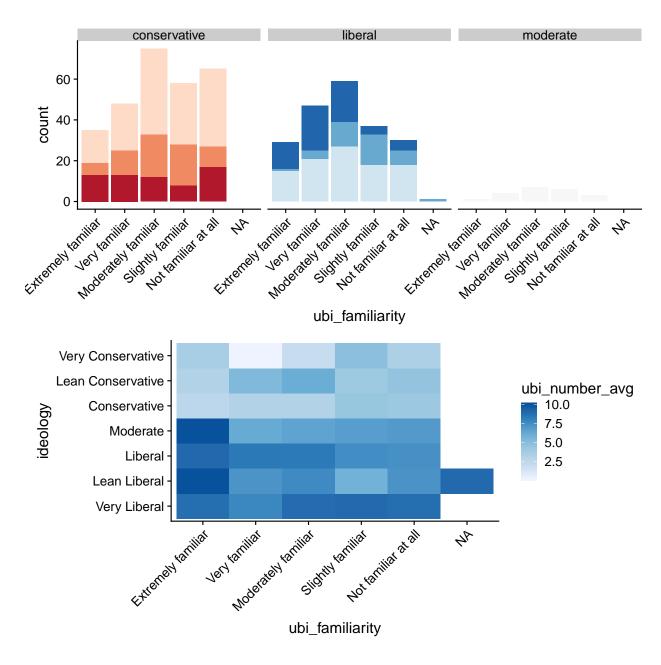


Figure 5: Outcomes

3 Methodology

Independent variable

Dependent variable

Model specification

```
[TBD]. (see ??)
```

NOTES:

- Purity Extension to the COnservatives if significant at to 0.05 level - key result

NOTES:

- Gender gap seems to have closed with this new data
- Slightly significant effect with women in con pure extension arm but we see a stronger effect in aggregate

```
model1_libfair_familiarity = my_lm_calcs(lm_in = lm(ubi_number ~ arm_level*ubi_familiarity_bin, data = :
model1_libpure_familiarity = my_lm_calcs(lm_in = lm(ubi_number ~ arm_level*ubi_familiarity_bin, data = :
model1_confair_familiarity = my_lm_calcs(lm_in = lm(ubi_number ~ arm_level*ubi_familiarity_bin, data = :
```

 ${\it Table 2: Moral Foundations Prelim Regression Specifications}$

	Dependent variable:			
	ubi_number			
	Lib + Fair	Lib + Purity	Con + Fair	Con + Purity
	(1)	(2)	(3)	(4)
arm_levelbase	-0.241	-0.146	0.119	0.354
	(0.488)	(0.451)	(0.919)	(0.518)
	p = 0.621	p = 0.746	p = 0.897	p = 0.495
arm levelextension	-0.799	0.000	1.341	1.072**
_	(0.493)	(0.479)	(1.022)	(0.533)
	p = 0.105	p = 1.000	p = 0.190	p = 0.045
Constant	8.213***	8.213***	3.270***	3.270***
	(0.288)	(0.288)	(0.370)	(0.370)
	p = 0.000	p = 0.000	p = 0.000	p = 0.000
Observations	111	139	125	245
\mathbb{R}^2	0.023	0.001	0.017	0.018
Adjusted R ²	0.005	-0.014	0.001	0.010
Residual Std. Error	2.108 (df = 108)	2.299 (df = 136)	3.539 (df = 122)	3.347 (df = 242)
F Statistic	$1.299 \ (df = 2; 108)$	0.061 (df = 2; 136)	$1.082 \ (df = 2; 122)$	2.200 (df = 2; 242)

Note:

*p<0.1; **p<0.05; ***p<0.01 HC Robust Standard Errors

 ${\it Table 3: Moral Foundations Prelim Regression Specifications}$

		Depender	nt variable:	
	ubi_number			
	Lib + Fair	Lib + Purity	Con + Fair	Con + Purity
	(1)	(2)	(3)	(4)
arm_levelbase	0.580 (0.765) $p = 0.449$	0.358 (0.750) $p = 0.634$	-0.862 (1.462) $p = 0.556$	0.119 (0.714) $p = 0.868$
arm_levelextension	-1.253 (0.789) $p = 0.113$	0.343 (0.749) $p = 0.647$	$ \begin{array}{c} 2.031 \\ (1.628) \\ p = 0.213 \end{array} $	1.281^* (0.765) $p = 0.094$
genderMale	0.625 (0.573) $p = 0.275$	0.625 (0.573) $p = 0.275$	0.860 (0.753) $p = 0.254$	0.860 (0.753) $p = 0.254$
${\it arm_level base:} {\it gender Male}$	-1.506 (0.991) $p = 0.129$	-0.977 (0.938) $p = 0.298$	$ \begin{array}{c} 1.646 \\ (1.869) \\ p = 0.379 \end{array} $	0.652 (1.030) $p = 0.527$
$arm_level extension: gender Male$	0.922 (0.947) $p = 0.331$	-0.710 (0.977) $p = 0.468$	-1.110 (2.172) $p = 0.610$	-0.185 (1.077) $p = 0.864$
Constant	7.920^{***} (0.445) $p = 0.000$	7.920^{***} (0.445) $p = 0.000$	$2.719^{***} (0.579) p = 0.00001$	$2.719^{***} $ $(0.579) $ $p = 0.00001$
Observations R ² Adjusted R ² Residual Std. Error F Statistic	$ \begin{array}{c} 111 \\ 0.081 \\ 0.038 \\ 2.074 \text{ (df} = 105) \\ 1.860 \text{ (df} = 5; 105) \end{array} $	$ \begin{array}{c} 139 \\ 0.009 \\ -0.028 \\ 2.315 \text{ (df} = 133) \\ 0.248 \text{ (df} = 5; 133) \end{array} $	$ \begin{array}{r} 125 \\ 0.045 \\ 0.005 \\ 3.533 \text{ (df} = 119) \\ 1.112 \text{ (df} = 5; 119) \end{array} $	245 $ 0.043 $ $ 0.022 $ $ 3.326 (df = 239) $ $ 2.123* (df = 5; 239)$

Note:

*p<0.1; **p<0.05; ***p<0.01 HC Robust Standard Errors

Notes:

- Being familiar with UBI makes liberals higher and conservatives lower at baseline
- No treatment interactions are significant
- Interation of familiarity and purity is actually fascintating directionally-speaking
- Liberals higher at baseline if familiar BUT the treatment actually lowered their scores while those unfamiliar moved up when treated
- The absolute opposite happens for conservatives: if you're familiar you start lower and then treatment nudges you higher but those unfamiliar move down

Notes: - Interesting that feeling relieved in the extension was significant and positive, while notbeing relieved was negative (with much more noise)

[[Example Table]]

Model	Specification	Interpretation	Figure
Model 1	$ubinumber\hbox{-}armlevel$	$\Delta armlevel = \beta_1 \Delta ubinumber$??

Stargazer

Table 4: Moral Foundations Prelim Regression Specifications

	Dependent variable:			
		ubi_n	umber	
	Lib + Fair	Lib + Purity	Con + Fair	$\operatorname{Con} +$
	(1)	(2)	(3)	(4
arm_levelbase	-1.477	0.873	1.364	-0.4
	(1.477)	(1.114)	(2.075)	(1.1)
	p = 0.318	p = 0.434	p = 0.512	p = 0
arm_levelextension	-0.727	0.106	-0.336	-0.0
	(0.993)	(1.173)	(1.953)	(1.0)
	p = 0.464	p = 0.928	p = 0.864	p = 0
ubi_familiarity_bin1	0.634	0.634	-1.151	-1.3
ů	(0.799)	(0.799)	(0.903)	(0.9)
	p = 0.428	p = 0.428	p = 0.203	p = 0
arm_levelbase:ubi_familiarity_bin1	1.310	-1.234	-1.563	1.0
	(1.564)	(1.218)	(2.315)	(1.3)
	p = 0.403	p = 0.311	p = 0.500	p = 0
$arm_level extension: ubi_familiarity_bin 1$	-0.154	-0.199	2.274	1.5
	(1.136)	(1.285)	(2.329)	(1.2)
	p = 0.893	p = 0.878	p = 0.329	p = 0
Constant	7.727***	7.727***	4.136***	4.130
	(0.736)	(0.736)	(0.800)	(0.8)
	p = 0.000	p = 0.000	p = 0.00000	p = 0.
Observations	111	139	125	24
\mathbb{R}^2	0.059	0.009	0.049	0.0
Adjusted R^2	0.014	-0.028	0.009	0.0
Residual Std. Error	2.098 (df = 105)	2.315 (df = 133)	3.525 (df = 119)	3.353 (df)
F Statistic	1.322 (df = 5; 105)	0.247 (df = 5; 133)	1.232 (df = 5; 119)	1.305 (df =

Note:

*p<0.1; **p<0.05; * HC Robust Standa

 ${\it Table 5: Moral Foundations Prelim Regression Specifications}$

	Dependent variable:		
	u	bi_number	
	Con + Purity Base	Con + Purity Ext	
	(1)	(2)	
purity_q2_repulsed_bin1	0.730		
	(0.733)		
	p = 0.320		
purity_q2_repulsed_bin2	0.139		
	(0.579)		
	p = 0.812		
purity_q4_relieved_bin1		-1.270	
		(1.346)	
		p = 0.346	
purity_q4_relieved_bin2		1.336**	
		(0.541)	
		p = 0.014	
Constant	3.270***	3.270***	
	(0.370)	(0.370)	
	p = 0.000	p = 0.000	
Observations	166	168	
\mathbb{R}^2	0.006	0.048	
Adjusted R ²	-0.006	0.037	
Residual Std. Error	3.334 (df = 163)	3.399 (df = 165)	
F Statistic	0.513 (df = 2; 163)	$4.194^{**} (df = 2; 165)$	
Note:		*p<0.1; **p<0.05; ***p<0.0	

*p<0.1; **p<0.05; ***p<0.01 Bin 1 = None/A Little; Bin 2 = Everythign Positive

4 Results

[[TBD]]

5 Conclusion

[[TBD]]

6 Discussion

[[TBD]]

6.1 Limitations

[[TBD]]

7 Technical Appendix

7.1 Data Dictionary

Variable Name	Variable	Values	Source	Notes
prolific_pid				
panel				
arm				
node				
arm_level				
ideology				
ideology_bin				
age				
gender				
urban				
employment_status				
student_status				
purity_q1_self				
purity_q2_repulsed				
purity_q3_injustice				
purity_q4_relieved				
fairness_q1_self				
fairness_q2_pain				
fairness_q3_injustice				
fairness_q4_relieved				
open_text_reaction	IIDI Namah an	Integran 0.10		
ubi_number	UBI Number	Integer 0-10		
ubi_group				
ubi_familiarity				
ubi_familiarity_bin				

7.2 Exploratory Data Analysis

Additional steps taken not included in the body of the report [[TBD]]