

Survey July Analysis

Maksim Zubok

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Randomisation Check

- Randomisation does not look perfect because there is a relationship between gender and one of the experimental factors (how many times was a protest authorisation denied).

Table 1: Randomisation Check

	<i>Dependent variable:</i>		
	factor(denied_twice)	factor(authority)	factor(grievance)
	(1)	(2)	(3)
age	0.01* (0.004)	-0.01 (0.004)	0.01*** (0.004)
genderWoman	0.24** (0.11)	-0.13 (0.11)	-0.01 (0.11)
university_educationBA+	-0.04 (0.11)	0.03 (0.11)	-0.06 (0.11)
Constant	-0.40** (0.20)	0.29 (0.20)	-0.48** (0.20)
Observations	1,416	1,416	1,416
Log Likelihood	-978.20	-979.90	-976.30
Akaike Inf. Crit.	1,964.39	1,967.79	1,960.61
<i>Note:</i>		*p<0.1; **p<0.05; ***p<0.01	

Experiment Analysis (Binary)

- For the “how justified authorities’ actions” variable, the values are 1 for “not justified at all” and 10 “very justified”.
- Initially, the “how repressive” variable, the values are 1 for “very repressive” and 10 “not repressive at all”. The present analysis relies on a reverse coding of the variable where “1” is not repressive at all and “10” is most repressive.
- Analysis below uses the binary coding of the said variables.
- “Do not know” and “refuse to answer” are coded into the “not repressive” and “not justified” category of the resulting binary variable.
- There are 360 “Do not know” and “refuse to answer” in the “how justified” outcome.
- There are 418 “Do not know” and “refuse to answer” in the “how repressive” outcome.

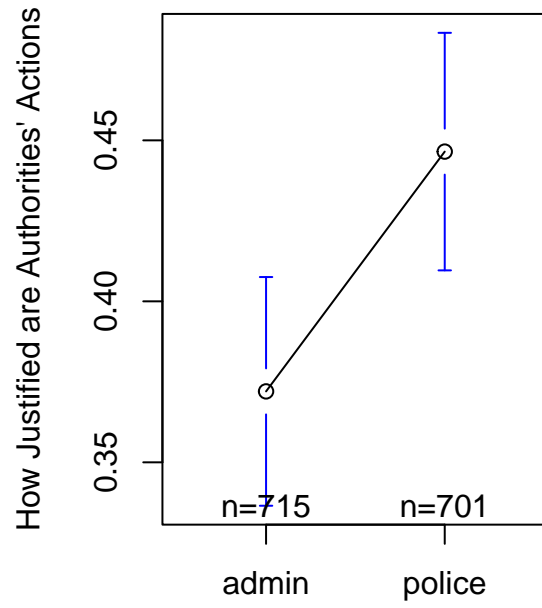
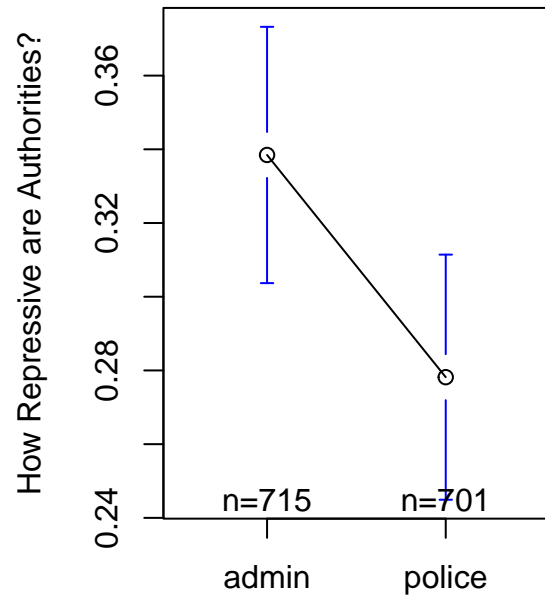
Table 2: Linear Prob. Models for Main Outcomes (Models 2 and 4 are Weighted)

	<i>Dependent variable:</i>			
	How Repressive?		How Justified?	
	(1)	(2)	(3)	(4)
authority (police)	−0.06** (0.02)	−0.06*** (0.02)	0.07*** (0.03)	0.12*** (0.03)
grievance (historical)	−0.04* (0.02)	−0.09*** (0.02)	0.10*** (0.03)	0.12*** (0.03)
denied times (twice)	0.02 (0.02)	0.04 (0.02)	−0.04 (0.03)	0.02 (0.03)
Gender (Woman)	−0.04 (0.03)	−0.06** (0.02)	−0.05** (0.03)	−0.05* (0.03)
Age	−0.001 (0.001)	−0.001 (0.001)	0.001 (0.001)	0.003*** (0.001)
University Education	0.06** (0.02)	0.06** (0.03)	0.13*** (0.03)	0.12*** (0.03)
Constant	0.38*** (0.05)	0.41*** (0.04)	0.27*** (0.05)	0.15*** (0.05)
Observations	1,416	1,416	1,416	1,416
R ²	0.01	0.02	0.04	0.05
Adjusted R ²	0.01	0.02	0.03	0.05
Residual Std. Error (df = 1409)	0.46	130.55	0.48	138.97
F Statistic (df = 6; 1409)	2.91***	5.67***	9.51***	12.41***

Note:

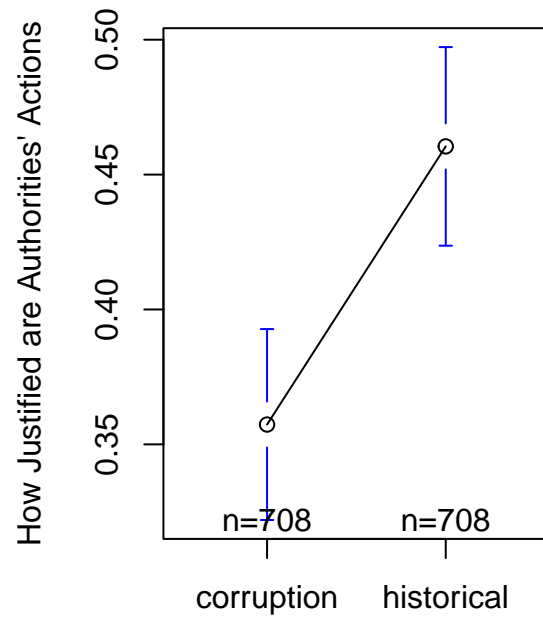
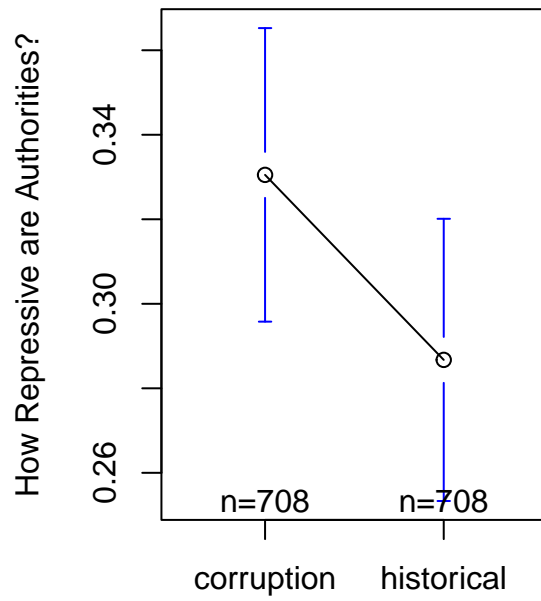
*p<0.1; **p<0.05; ***p<0.01

Effect of Authority



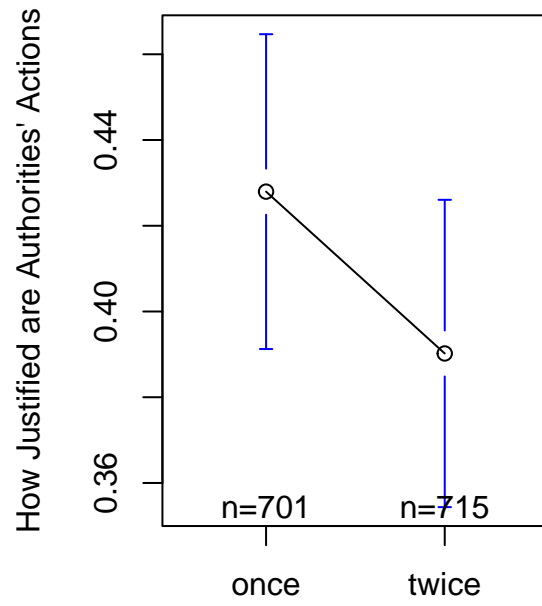
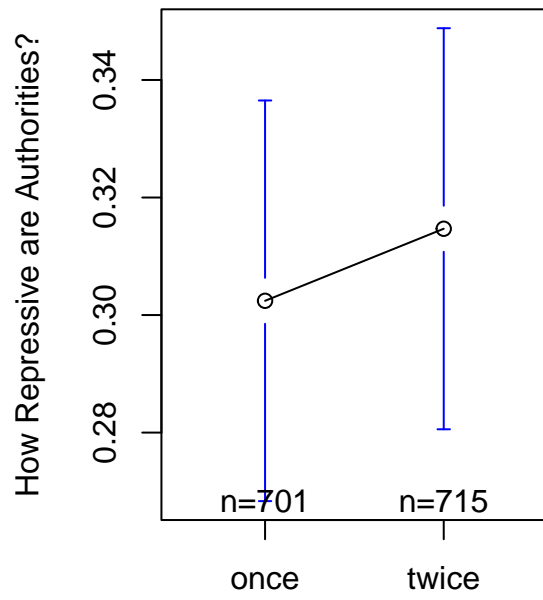
Effect of Grievance

- Effect of Grievance type is not significant at 0.05 level for “how repressive” but is significant for “how justified”.



Effect of Times Denied

- The effect of “how many times denied” is not significant for both outcomes.



Experiment Analysis Continous

- This analysis relies on the continuous version of the outcome variables.
- “I do not know” and “refuse to answer” are coded as “5” landing in the middle of the outcome variable distribution.
- There are 360 “Do not know” and “refuse to answer” in the “how justified” outcome.
- There are 418 “Do not know” and “refuse to answer” in the “how repressive” outcome.

Table 3: Linear Models for Main Outcomes (Models 2 and 4 are Weighted)

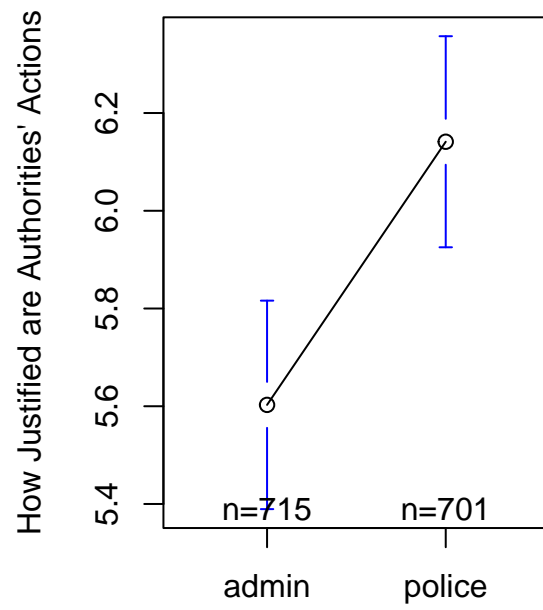
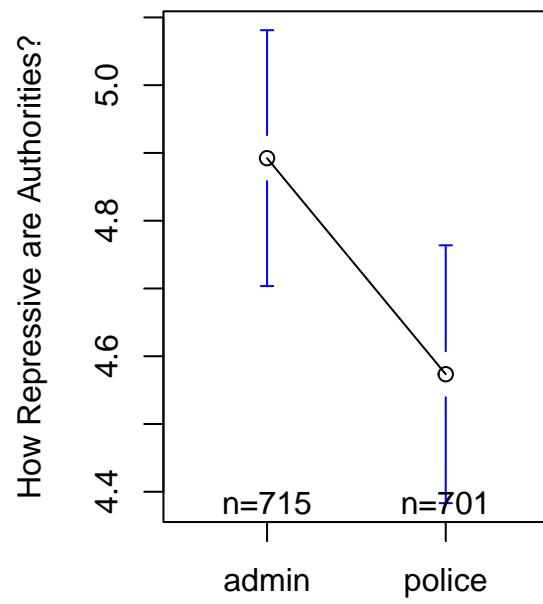
	<i>Dependent variable:</i>			
	How Repressive?		How Justified?	
	(1)	(2)	(3)	(4)
authority (police)	-0.33** (0.14)	-0.40*** (0.14)	0.54*** (0.15)	0.83*** (0.15)
grievance (historical)	-0.54*** (0.14)	-0.75*** (0.14)	0.60*** (0.15)	0.78*** (0.15)
denied times (twice)	0.22 (0.14)	0.25* (0.14)	-0.32** (0.15)	-0.14 (0.16)
Gender (Woman)	0.20 (0.14)	-0.03 (0.14)	-0.21 (0.16)	0.02 (0.16)
Age	-0.02*** (0.005)	-0.02*** (0.004)	0.003 (0.01)	0.01*** (0.01)
University Education	0.01 (0.14)	-0.02 (0.16)	0.46*** (0.15)	0.47*** (0.18)
Constant	5.66*** (0.28)	6.17*** (0.25)	5.20*** (0.32)	4.31*** (0.28)
Observations	1,416	1,416	1,416	1,416
R ²	0.03	0.05	0.03	0.05
Adjusted R ²	0.03	0.04	0.03	0.05
Residual Std. Error (df = 1409)	2.54	744.90	2.88	835.34
F Statistic (df = 6; 1409)	7.27***	11.99***	7.48***	12.39***

Note:

*p<0.1; **p<0.05; ***p<0.01

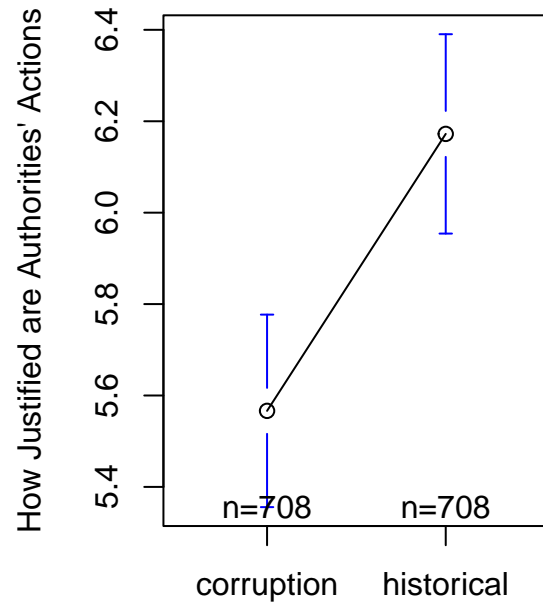
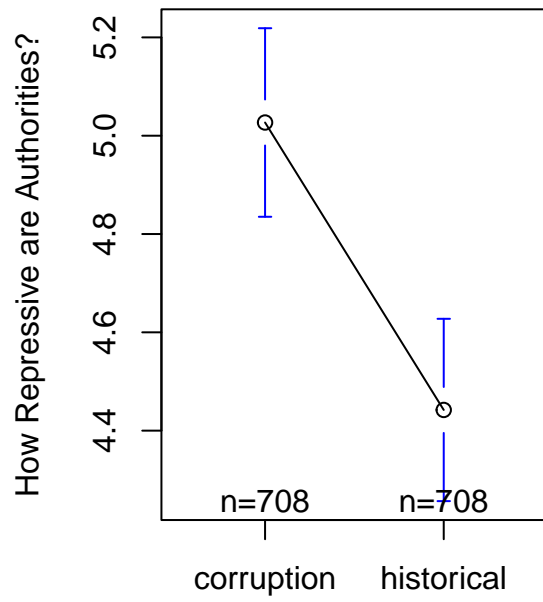
Effect of Authority

- Both outcomes significant



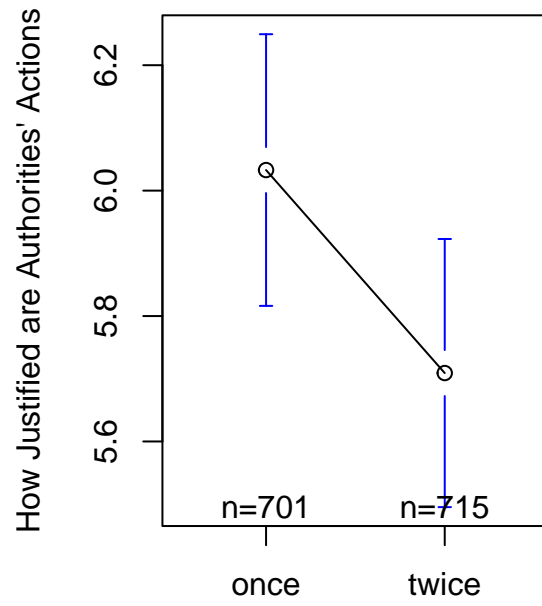
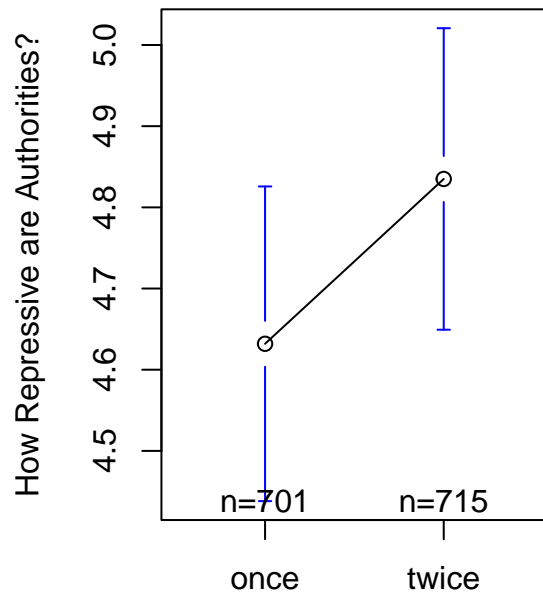
Effect of Grievance

- Effect of Grievance type is significant for both outcomes.



Effect of Times Denied

- The effect of “how many times denied” is significant for “how justified” but not for “how repressive”.



Multiple Imputation

- We impute missing values via multiple imputation, with the `mice` package. We use default parameter specification for imputation: `five datasets` and `10 iterations`. We work with the binary version of the variables, where all “refuse” and “do not know” replies are taken as NA and are imputed.
- Imputation results align with the no imputation results

Term	Not Repressive (Unweighted)	Not Repressive (Weighted)	How Justified (Unweighted)	How Justified (Weighted)
factor(authority)police	-0.07 [0.03; -2.25]	-0.07 [0.03; -2.22]	0.08 [0.03; 2.64]	0.12 [0.03; 3.82]
factor(grievance)historical	-0.07 [0.03; -2.13]	-0.1 [0.03; -2.96]	0.08 [0.03; 2.49]	0.1 [0.03; 2.81]
factor(denied_twice)twice	0.03 [0.03; 1.27]	0.05 [0.03; 1.7]	-0.03 [0.03; -0.88]	0.01 [0.03; 0.37]
Gender (Woman)	0.01 [0.03; 0.48]	-0.01 [0.03; -0.22]	0 [0.03; 0.1]	0.02 [0.03; 0.66]
age	0 [0; -0.87]	0 [0; -1.59]	0 [0; -0.09]	0 [0; 0.59]
University Education (BA+)	0 [0.03; 0.13]	0.01 [0.04; 0.14]	0.07 [0.03; 2.32]	0.07 [0.04; 1.87]
Note: Estimates are pooled from multiple imputed datasets and displayed as Estimate [SE; t-value].				