# Bureaucracy and Political Imprisonment

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Statistics for Political Research 1

# Theory: Relationship Between Bureaucracy and Political Imprisonment

- The capacity, strength, and openness of a bureaucracy impacts the likelihood of human rights abuses (McDoom, 2014; Goldstone and Tilly, 2001; Fearon and Laitin, 2003; Bhavnani and Lee, 2018)
- The more closed a bureaucracy, we may see an association with greater human rights abuses.

# The Data

- Data is from the CIRIGHTS Data Project and The Quality of Government Institute Standard Dataset
- The three variables in consideration: political imprisonments, openness of the bureaucracy, censorship

# Variables

- My dependent variable is political imprisonments in 2020 (0= none, 1=few, 2=many)
- My independent variable is a continuous variable of the closedness of a bureaucracy (0-1).
- My control is media censorship (none, some, complete)

# Multinomial Logistic Regression Equation

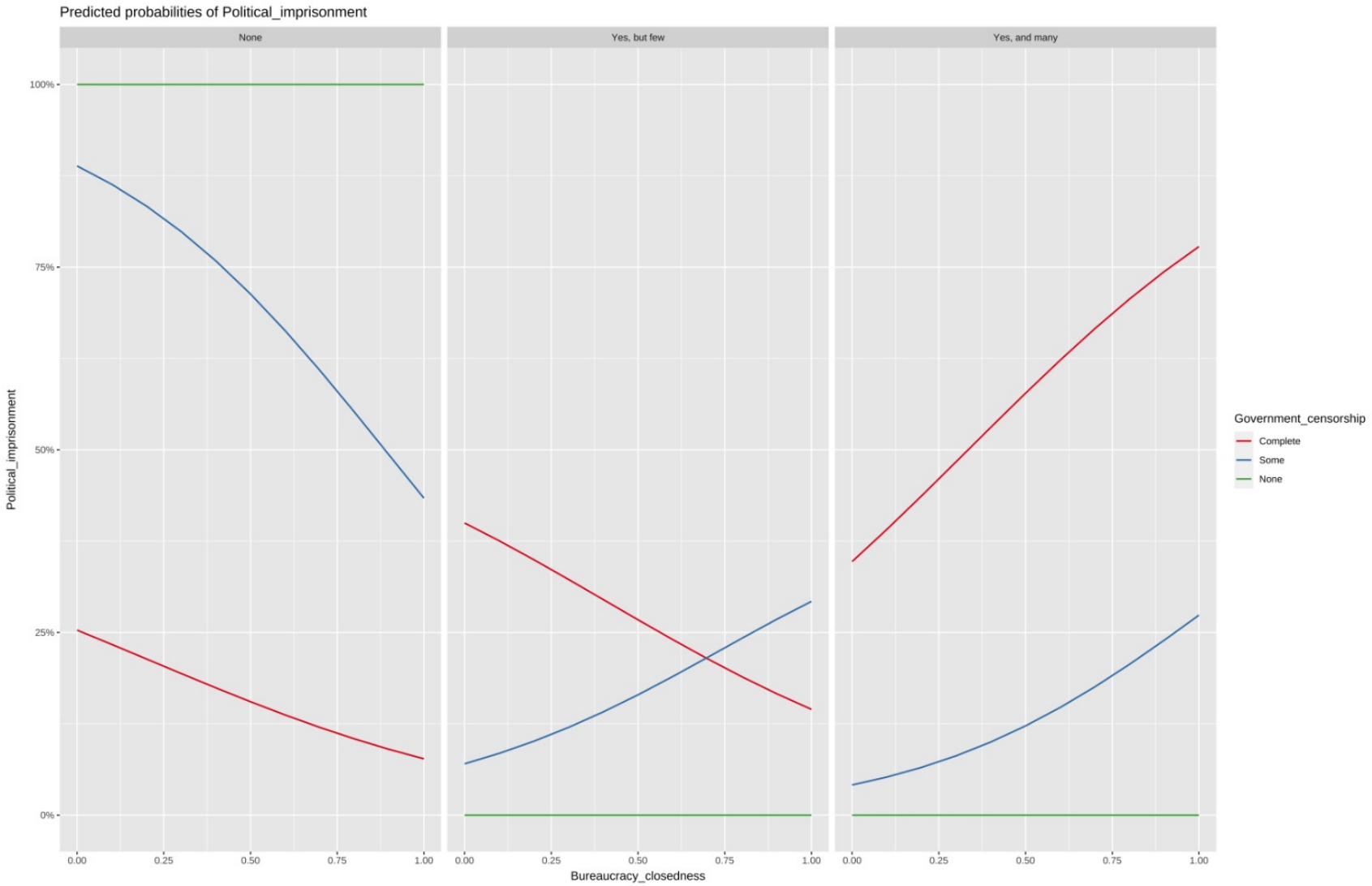
$$ln(\frac{P(imp = few)}{P(imp = none)}) = \beta_0 + \beta_1(close) + \beta_2(c = some) + \beta_3(c = none) + \mu_i$$

$$ln(\frac{P(imp = many)}{P(imp = none)}) = \beta_0 + \beta_1(close) + \beta_2(c = some) + \beta_3(c = none) + \mu_i$$

# Regression Table

| | *Dependent variable:* | |
|---|---|---|
| | Yes, but few | Yes, and many |
| | (1) | (2) |
| Government_censorshipSome | −1.849** | −3.065*** |
| | (0.740) | (0.703) |
| Government_censorshipNone | −13.932 | −14.184 |
| | (196.456) | (148.232) |
| Bureaucracy_closedness | 1.550 | 2.665** |
| | (1.292) | (1.319) |
| Constant | −0.359 | −0.055 |
| | (0.994) | (0.965) |
| Akaike Inf. Crit. | 153.119 | 153.119 |
| *Note:* | *p<0.1; **p<0.05; ***p<0.01 | |

# Plot Model


Predicted probabilities of Political_imprisonment
None
Yes, but few
Yes, and many
100%
75%
50%
25%
0%
Political_imprisonment
0.00
0.25
0.50
0.75
1.00
Bureaucracy_closedness
Government_censorship
Complete
Some
None

# Next Steps/ Why Skeptical?

- Should look across years
- Other confounding variables, probability of regime survival, cost of repression, type of government
- Would be interesting to build a model that captures this switch point