

# Example for the Reproducible Paper Template: Amazon Priority Municipalities

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May, 2023

# Motivation

# This paper

# Preview of results

## Related literature

### ► Amazon Priority List

- Assunção and Rocha (2019)
- **Contribution:** Use o new DiD estimator (Callaway and Sant'Anna 2022)

# Roadmap

- 1 Introduction
- 2 Institutional context**
- 3 Data
- 4 Empirical strategy
- 5 Results
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# Main datasets

- ▶ **Biomes Division** (IBGE 2019)
- ▶ **Municipality Division** (IBGE 2015)
- ▶ **Priority List** (MMA 2017)
- ▶ **PRODES** (INPE 2020)



# Summary Statistics by Treatment Cohort

|   | Treatment        |                  |                  |                 |                  | Control          |
|---|------------------|------------------|------------------|-----------------|------------------|------------------|
|   | 2008             | 2009             | 2011             | 2012            | 2017             | Never            |
| Average Annual Deforestation Area in 2000-2007 (1,000 km <sup>2</sup> ) | 0.25<br>(0.2)    | 0.17<br>(0.13)   | 0.08<br>(0.05)   | 0.10<br>(0.05)  | 0.10<br>(0.04)   | 0.03<br>(0.04)   |
| Share of Muni Area in the Amazon (%)                                    | 95.48<br>(9.7)   | 94.93<br>(14.35) | 80.35<br>(36.45) | 100.00<br>(0)   | 100.00<br>(0)    | 89.91<br>(24.94) |
| Muni Area (1,000 km <sup>2</sup> )                                      | 21.75<br>(29.39) | 11.70<br>(5.58)  | 7.88<br>(7.01)   | 13.17<br>(1.78) | 30.79<br>(24.06) | 6.75<br>(13.81)  |
| Accumulated Deforestation Area in 2007 (1,000 km <sup>2</sup> )         | 4.45<br>(2.48)   | 3.89<br>(2.57)   | 1.84<br>(0.95)   | 1.24<br>(0.85)  | 1.82<br>(1.1)    | 0.95<br>(0.91)   |
| Forest Area in 2007 (1,000 km <sup>2</sup> )                            | 15.40<br>(26.78) | 6.15<br>(3.63)   | 4.55<br>(7.02)   | 11.08<br>(2.89) | 26.07<br>(22.7)  | 4.15<br>(11.04)  |
| Non-Forest Area in 2007 (1,000 km <sup>2</sup> )                        | 1.34<br>(1.62)   | 0.53<br>(0.73)   | 0.90<br>(1.73)   | 0.05<br>(0.06)  | 0.91<br>(1.41)   | 0.80<br>(2.12)   |
| Hidrography Area in 2007 (1,000 km <sup>2</sup> )                       | 0.18<br>(0.38)   | 0.05<br>(0.05)   | 0.03<br>(0.05)   | 0.28<br>(0.15)  | 0.48<br>(0.37)   | 0.20<br>(0.51)   |
| Municipalities (#)  | 35               | 8                | 7                | 2               | 8                | 490              |

# Roadmap

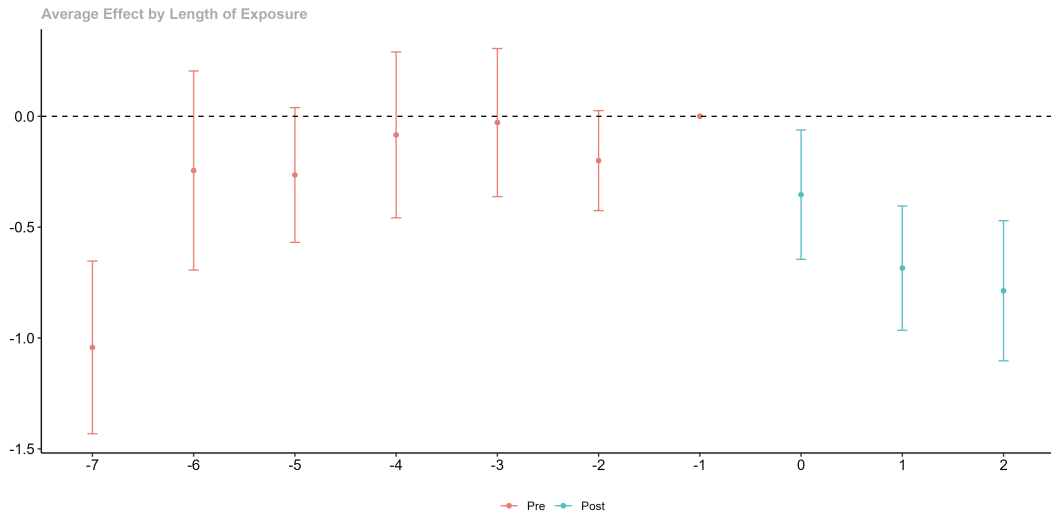
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# Balanced Event-Study

Unbalanced



# Robustness exercises

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# Summary

# Policy implications



Thank you

# Appendix

# References I

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# Unbalanced Event-Study

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