Reproducibility Study: Have vehicle registration restrictions improved urban air quality in Japan

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Module: Natural Experiments Using R

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Their identification strategy estimates the average treatment effect (β) using the following specification:

$$\ln N_{m,t} = \alpha + \beta \text{ Treatment }_{m,t} + \delta \boldsymbol{X}_{m,t} + \sum_{m=1}^{225} \theta_m \text{ Monitor }_m + \sum_{t=1}^{420} \gamma_t \text{ Time }_t$$
$$+ \varepsilon_{m,t}$$

=> reference page 12-13 of the report

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