Overview

This codebook describes the variables in the `pres_out.rds` dataset, the primary one used in analysis.

Codebook

Variable Name	Description
county	County
year	Election year
state	State
fips	5-digit FIPS code
adjgroup	Degree of adjacency to a county with coal employment
break_year	Year of state-specific shale shock
TotalVotes	Total votes
RepVotes	Total votes for the Republican
DemVotes	Total votes for the Democrat
pop	County population in 2000
white	Share of white residents in 2000
black	Share of Black residents in 2000
poverty	Share of residents below the poverty line in 2000
income99pc	Per capita income in 1999
hispanic	Share of Hispanic residents in 2000
work_female	Share of females in the labor force in 2000
foreign	Share of foreign-born residents in 2000
rural_nonfarm	Share of rural non-farm residents in 2000
emp_all	County employment
coal	Number employed in coal
power	Number employed in fossil fuel electricity generation
oilgas	Number employed in oil and gas extraction
unionshare	Share of unionized coal miners
debt06	Household debt-to-income ratio in 2006
NewGas	Indicates a new gas power plant
NewGasDistance	County distance to a new gas power plant
gas_r	Real natural gas prices
coal_r	Real coal prices
coalgas_ratio_z	Standardized ratio of coal-to-gas prices
RepVotesMajorPercent	Two-party Republican vote share
poplog	County population in 2000 logged
income99pclog	Per capita income in 1999 logged
under40	Share of county under 40 years in 2000
college	Share of county with a college education in 2000
pop_s	County population standardized relative to state average in 2000
white_s	Share of white residents standardized relative to state average in 2000
black_s	Share of Black residents standardized relative to state average in 2000
poverty_s	Share under the poverty level standardized relative to state average in 2000
income99pc_s	Per capita income in 1999 standardized relative to the state average in 2000

Variable Name	Description
hispanic_s	Share of Hispanic residents standardized relative to the state average in 2000
work_female_s	Female workforce share relative to state average in 2000
foreign_s	Share of foreign-born residents relative to the state average in 2000
rural_nonfarm_s	Share of rural non-farm residents relative to the state average in 2000
poplog_s	County population (logged) standardized relative to the state average in 2000
income99pclog_s	Per capita income in 1999 (logged) standardized relative to the state average in 2000
under40_s	Share of population under 40 years relative to the state average in 2000
college_s	Share of population with a college education relative to the state average in 2000
coal_prop	Share of workers in coal mining
power_prop	Share of workers in fossil fuel electricity generation
coal_prop_00	Share of workers in coal mining in 2000
coal_prop_00_c	Share of workers in coal mining standardized relative to national county-level average in 2000
coal_prop_00_s	Share of workers in coal mining standardized relative to state average in 2000
coal_prop_pre	Pre-shock share of coal employment
coal_prop_pre_c	Pre-shock share of coal employment standardized relative to national county-level average
coal_prop_pre_s	Pre-shock share of coal employment standardized relative to state average
coal_chg	Change in coal mining employment
coallayoff	Indicates a decline of coal employment between election years
coallayoff_treat	Treatment indicator for if a county experienced a decline in coal employment
county_state	Combines county and state names
NewGasDistance_s	Distance to a new gas power plant standardized relative to the state average
NewGasDistance_c	Distance to a new gas power plant standardized relative to the county's average
treat	Indicates treatment group membership
coal_dd	Indicates treatment group membership
coal_bin	Indicates treatment group membership
post_shock	Indicates post-shale shock period
treated	Indicates treatment group membership during post-shock period
emptreat	Indicates if in the treatment group for the employment loss condition
treated_var	Indicates treatment group membership during state-specific post-shock period
sample	Label for mapping counties
layoff	Indicates if a county experienced a large number of layoffs in any industry

Variable Name	Description
emp_chg	Change in employment between elections
ant_treat_emp	Indicates if a county has an anthracite mine
iron_falsify	Indicates if a county has an iron mine
silver_falsify	Indicates if a county has a silver mine
sandstone_falsify	Indicates if a county has a sandstone mine
coal_nat	National coal employment
empall	National number of workers
nat_coal_prop	National share of coal employment
nat_coal_z	Standardized national share of coal employment
funds_arc	ARC POWER grant funding
funds_total	Total ARC grant funding
grants	Count of grants
funds_arc_cum	Cumulative ARC POWER grant funding
funds_total_cum	Cumulative ARC grant funding
grants_cum	Cumulative count of grants