



Effects of Unionization on Worker and Workplace Safety Public Use Data

Public use datasets conform to federal policy guidelines and are checked for disclosure risk prior to release.

Release Date: 2015

Learn More About the Study:

- [Effects of Unionization on Workplace Safety: Regression Discontinuity Evidence from OSHA's Enforcement Data](#)

Brief Description: Administrative data: OSHA enforcement data and NLRB election records

List of Data files:

Filename: [nlrb_elections_19622009.dta](#) (Stata; 235 MB)

Number of Variables: 92

Summary of Variables: [See Appendix A](#)

Number of Observations: 260,407

Time Period of Data Collection: 1962-2009

Geographic Coverage: National

Detailed Coverage: The population is all U.S. private-sector establishments on the margin of unionization between 1962 and 2009 as measured by experiencing at least one NLRB certification election during this period. The OSHA enforcement database, records occupational fatalities in U.S. private sector establishments back to 1970.

Study Populations: Adult Workers

Unit(s) of Observation: Individual, Firms, Employers

Topics: Worker Protection, Labor Standards, Workplace-Related Benefits

Research Method: Quasi-Experimental Design

Sampling Method: Longitudinal unique establishment identifiers for NLRB elections were constructed using a fuzzy-matching algorithm. NLRB and OSHA records were linked at the establishment level using fuzzy-matching, yielding a longitudinal database of all NLRB elections and all of their OSHA enforcement data, including reported occupational fatalities.

The Department of Labor's (DOL) Chief Evaluation Office (CEO) sponsors independent evaluations and research, primarily conducted by external, third-party contractors in accordance with the [Department of Labor Evaluation Policy](#). CEO's [research development process](#) includes extensive technical review at the design, data collection and analysis stage, including: external contractor review and OMB review and approval of data collection methods and instruments per the Paperwork Reduction Act (PRA), Institutional Review Board (IRB) review to ensure studies adhere to the highest ethical standards, review by academic



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peers (e.g., Technical Working Groups), and inputs from relevant DOL agency and program officials and CEO technical staff. Final reports undergo an additional independent expert technical review and a review for Section 508 compliance prior to publication. The resulting reports represent findings from this independent research and do not represent DOL positions or policies.



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Appendix A

obs: 260,407
vars: 92
size: 246,605,429

30 Oct 2013 01:47

variable name	storage type	display format	value label	variable label
region	str2	%2s		
type	str1	%1s		
docket	str5	%5s		
sic3	str3	%3s		
state1	str3	%3s		
unit	str1	%1s		
size_cat	str1	%1s		
vote_win	int	%8.0g		
union_w_code	str4	%4s		
vote_lose1	int	%8.0g		
union_l1_code	str4	%4s		
vote_lose2	int	%8.0g		
union_l2_code	str4	%4s		
vnunion	int	%8.0g		
var19	str2	%2s		
duplic	str1	%1s		
var21	str3	%3s		
var22	str1	%1s		
var23	str2	%2s		
var24	str1	%1s		
var25	str2	%2s		
var26	str1	%1s		
var27	str1	%1s		
var28	str1	%1s		
dispos	str1	%1s		
union_partic	str1	%1s		
union_incumb	str1	%1s		
rectype	str1	%1s		
employer	str40	%40s		
a_city	str15	%15s		
state2	str3	%3s		
unionname	str28	%28s		
address	str26	%26s		
union_code	str4	%4s		
outcome	str4	%4s		
var53	str1	%1s		
stcode	str2	%2s		
cntycode	str3	%3s		
cntytext	str20	%20s		
localnum	str4	%4s		
fiscalyear	str4	%4s		
elect_id	str3	%3s		



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```
pet_type      str2  %2s
casenum      str14 %14s
dateclose    str8  %8s
dateelec     str8  %8s
datefile     str8  %8s
valid_for_u  int   %8.0g
valid_tot    int   %8.0g
var59        str1  %1s
sttext       str2  %2s
stcodetext   str2  %2s
state1fix    str2  %2s
state2fix    str2  %2s
idnlrb       str14 %14s
r_case_number str11 %11s
a_NLRB_num   float %9.0g
closeyear    int   %10.0g
elecyear     int   %10.0g
fileyear     int   %10.0g
closemon     byte  %10.0g
elecmon      byte  %10.0g
filemon      byte  %10.0g
eligible      int   %8.0g
vote_for     float %9.0g
vote_tot     float %9.0g
vote_against float %9.0g
nlrb7799     float %9.0g
b_employer   str235 %50s
b_city       str33  %33s
b_case_no    str14  %14s
b_incumbent  byte   %8.0g
b_month      byte   %9.0g
b_year       int    %9.0g
b_ind_code   str13  %13s
b_electiontype int   %13.0g  elec_type_lbl

b_unit       long   %8.0g  unit_lbl
b_state      str20  %20s
nlrb6109     float %9.0g
_merge       byte   %23.0g  _merge
state        str2   %9s
b_ind_code2  str2   %9s
sic2         str2   %9s
sic1         str1   %9s
firm         str235 %20s
city         str30  %30s
vshare       float %9.0g
vote_even    float %9.0g
v            float %9.0g
bin          float %9.0g
high_vshare  float %9.0g
NLRB_num     float %9.0g
```



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