

Cyclical and Market Determinants of Involuntary Part-Time Employment
Description of Data and Programs
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I. State Panel Data

The following Stata do files and datasets combine state-level data from various sources described in Online Appendix B to create the dataset used for the state panel analyses in the paper. All of the do-files contain notes to explain each step of the process.

In order to produce this dataset, the do-files should be run in the following order:

FormatACSDData.do – Combines and formats the raw ACS data
FormatOESData.do – Combines and formats the raw OES data
MinimumWagePanel.do – Creates a time series of the minimum wages by state and year
CreatePTDataset_8-17.do – Combines and formats healthcare costs, employment, inflation, GSP, census bureau population estimates, industry sector employment, and creates estimates of IPT employment levels by state and year
create_lf_shares_10-17.do – Creates information on labor force shares by gender and age groups and adds it to the analysis dataset
PT_state_add-GDP.do - Adds more recent information on state GDP to the analysis dataset
PT_state_ind-emp.do - Adds industry-level employment by state and year from the OES to the analysis dataset
PT_state_add-pop.do - Adds state population to the analysis dataset
PT_state_add-02.do - Adds employment and GSP data from 2002 to the dataset

The variables in the dataset are briefly described below. The data are structured as an annual panel by state/year.

Variable Name	Explanation
st, state, fips, statestr	Various state identifiers
pt (ipt)	Part-time and involuntary part-time (shares of civilian employment)
U3, U5, U6	Alternative measures of labor underutilization (BLS)
gdp	Gross state product
cemp_st, u_st, lf_st, ma_st, pop	Number of employed/unemployed/LF participants/marginally attached workers/population in thousands
med_hhinc, med_wage, minwage, wage_10pct, wage_25pct	Various wage measures
Totnf, minelog, cons, ndur, durg, wtrade, rtrade, trans, info, finance, realest, sci, mgmt., admin, educ, health, leisure, serv, fgov, sgov,	Employment (in thousands) in various sectors

lgov, manu, financial, prof, eduhealth, minelogcons, slgov	
meansc, mediansc, meanpo, medianpo, meanfam, medianfam	Mean and median employer healthcare costs for private sector single, plus-one, and family coverage
share_ "g" "age" "source"	Share of population of gender "g" (female, male, or total) in age range "age", and from source "cen" (census bureau) or "acs" (the ACS)
lf_ "g" "age"	Share of labor force of gender "g" in age range "age"
cpi_overall, cpi_core, pce_overall, pce_core	Various measures of inflation
occ_all, occ_cons, occ_fff, occ_inst, occ_mbf, occ_off, occ_prod, occ_prof, occ_sale, occ_serv, occ_tran, occ_sum, occ_dif	Employment in various industries from the OES data

II. State Panel Analyses

The following Stata do files generate the primary descriptive and regression results for the state panel analyses, described in the manuscript and Online Appendix A.

UR_vs_IPT_graphs_dots.do:	Forms Figure 2
state_regs[alts][cyclical]_final_c_R2:	Table 2 and Online Appendix Tables A2 and A3
decomp_displays_final.do:	Forms Figure 3, results for Tables 3 and 4, Online Appendix Table A5
state_dist_graphs_wt.do, UR_vs_IPT_graphs_labels.do, UR_and_IPT_states_graphs.do, UR_vs_IPT_change_graphs.do:	Form assorted Online Appendix A displays

III. CPS microdata

The following Stata do files conduct various analyses using extracts from the monthly CPS microdata files for the years 2003-16 (Table 1 in the text, others in Online Appendix A).

Note: We started with a proprietary CPS extract (developed at FRBSF). The variable names/labels may not be transparent based on the raw CPS files (from the Census ftp site).

summary_tables_12-17.do:	Produces tabulations for Table 1 and Online Appendix Table A1
summary_reweight2.do:	Produces Online Appendix Figure A2
ind_regs_final2.do:	Produces results for Online Appendix Table A4 (Note: with margins calculated for various multinomial logit models on 9.5 million observations, this program takes a long time to run—4+ days on a moderately powerful server)