

How Does the Dramatic Rise of CPS Nonresponse Impact Labor Market Indicators?

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README

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## Data Availability

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Raw files of the Current Population Survey (CPS) from Census are available for download from the National Bureau of Economic Research website: <https://data.nber.org/cps-basic2/raw/>

- The following files for this paper were downloaded on February 18, 2021:
  - cpsb199401.raw through cpsb202009.raw
- The following samples for this paper were downloaded on September 5, 2022:
  - cpsb202010.raw through cpsb202107.raw

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## Computational Requirements

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### Required Programs

- Stata (code was last run on version 18.0)

### Descriptions of Programs

- The STATA program that calls all other scripts is main.do
- The STATA programs that main.do calls are found in /Stata-Code/ :
  - CPS\_Extract.do extracts the variables we use from the raw cpsb files
  - aggregate\_response\_rates.do computes times series of CPS (non)response rates
  - mis\_seperate\_prepare.do generates files of all households of a particular MIS
  - eight\_panel\_generate.do generates a panel of matched individuals
  - eight\_panel\_generate\_hh.do generates a panel of matched households
  - TimeSeriesPartial\_vs\_NeverResponse.do produces Figure 2
  - Attrition and LF status by MIS.do computes values for Table 1
  - flows\_and\_corrections1.do estimates labor force flow rates to fill in nonresponse
  - flows\_and\_corrections2.do produces the Flows Corrections
  - flows\_and\_corrections3.do produces the Flows Correction & Reweighting
  - Recreating\_BLS\_Weights.do accounts for BLS weights and produces Figure 4
  - flows\_output\_generation.do produces Figure 3
- The STATA programs called by are in Stata-Code/Function-Scripts/
  - flows2\_flows\_corr.do does actual flows corrections for flows\_corrections2.do
  - flows3\_flows\_rw\_corr.do does the actual adjustments for flows\_corrections3.do

## Memory and Runtime Requirements

The code was last run on a 4-core Intel i7 based desktop with 64 GB of memory, running MacOS version 12.7.1

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## Instructions

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### List of Steps

1. Download all files in /Stata-Code/ and /Stata-Code/Function-Scripts/, keeping the folder structure intact. Create a /Data/ and /Graphs/ folder at the same level as /Stata-Code/.
2. Download cpsb199401.raw through cpsb202107.raw from the NBER (<https://data.nber.org/cps-basic2/raw/>) and put in the /Data/ folder.
3. Open main.do and run.
  - This program takes 82 minutes (on the above machine) to run.
4. Open /Graphs/ to find .eps files of Figure 1 – 4 from the paper.

### Sequential List of Figures, Tables, and Programs

Figure/ Table	Program	Intermediate Outputs	Final Outputs
Figure 1	aggregate_response_rates.do	aggregate_national_non response.dta, aggregate_national_typ ea.dta,	Motivation.eps
Figure 2	TimeSeriesPartial_vs_NeverResponse. do	None	Share_Match_unMatch. eps
Figure 3	flows_output_generation.do	Corrections_LF.gph Corrections_EP.gph Corrections_U.gph	MainFigs_combined.eps
Figure 4	Recreating_BLS_Weights.do	BLSWeightsFilled.dta DemAdjCorr_LF.gph DemAdjCorr_EP.gph DemAdjCorr_U.gph	Fig4_combined.eps
Table 1	Attrition and LF status by MIS.do	None	Generates values for Table 1

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## Acknowledgements

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The format of this document follows a template written by Lars Vilhuber, Miklos Kóren, Joan Llull, Marie Connolly, Peter Morrow available here: [https://social-science-data-editors.github.io/template\\_README/template-README.html](https://social-science-data-editors.github.io/template_README/template-README.html)