**Raw Data Description**

[**CPS Data**](https://cps.ipums.org/cps/index.shtml)**:** Microdata for workers for years 1979-2023 (cps\_00038, cps\_00039, cps\_00040, cps\_00041)[[1]](#footnote-1)

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| --- | --- | --- | --- |
| [**Type**](https://cps.ipums.org/cps-action/faq#ques33) | **Variable** | **Label** | **Case Selection** |
| H | [YEAR](https://cps.ipums.org/cps-action/variables/YEAR) | Survey year | -- |
| H | [SERIAL](https://cps.ipums.org/cps-action/variables/SERIAL) | Household serial number | -- |
| H | [MONTH](https://cps.ipums.org/cps-action/variables/MONTH) | Month | -- |
| H | [HWTFINL](https://cps.ipums.org/cps-action/variables/HWTFINL) | Household weight, Basic Monthly | -- |
| H | [CPSID](https://cps.ipums.org/cps-action/variables/CPSID) | CPSID, household record | -- |
| H | [ASECFLAG](https://cps.ipums.org/cps-action/variables/ASECFLAG) | Flag for ASEC | -- |
| H | [MISH](https://cps.ipums.org/cps-action/variables/MISH) | Month in sample, household level | -- |
| H | [STATEFIP](https://cps.ipums.org/cps-action/variables/STATEFIP) | State (FIPS code) | -- |
| H | [FAMINC](https://cps.ipums.org/cps-action/variables/FAMINC) | Family income of householder | -- |
| P | [PERNUM](https://cps.ipums.org/cps-action/variables/PERNUM) | Person number in sample unit | -- |
| P | [WTFINL](https://cps.ipums.org/cps-action/variables/WTFINL) | Final Basic Weight | -- |
| P | [CPSIDV](https://cps.ipums.org/cps-action/variables/CPSIDV) | Validated Longitudinal Identifier | -- |
| P | [CPSIDP](https://cps.ipums.org/cps-action/variables/CPSIDP) | CPSID, person record | -- |
| P | [AGE](https://cps.ipums.org/cps-action/variables/AGE) | Age | [details](https://cps.ipums.org/cps-action/extract_requests/case_selection_details)[[2]](#footnote-2) |
| P | [SEX](https://cps.ipums.org/cps-action/variables/SEX) | Sex | -- |
| P | [RACE](https://cps.ipums.org/cps-action/variables/RACE) | Race | -- |
| P | [MARST](https://cps.ipums.org/cps-action/variables/MARST) | Marital status | -- |
| P | [EMPSTAT](https://cps.ipums.org/cps-action/variables/EMPSTAT) | Employment status | -- |
| P | [LABFORCE](https://cps.ipums.org/cps-action/variables/LABFORCE) | Labor force status | -- |
| P | [OCC1990](https://cps.ipums.org/cps-action/variables/OCC1990) | Occupation, 1990 basis | -- |
| P | [IND1990](https://cps.ipums.org/cps-action/variables/IND1990) | Industry, 1990 basis | -- |
| P | [CLASSWKR](https://cps.ipums.org/cps-action/variables/CLASSWKR) | Class of worker | -- |
| P | [UHRSWORK1](https://cps.ipums.org/cps-action/variables/UHRSWORK1) | Hours usually worked per week at main job | -- |
| P | [EDUC](https://cps.ipums.org/cps-action/variables/EDUC) | Educational attainment recode | -- |
| P | [EARNWT](https://cps.ipums.org/cps-action/variables/EARNWT) | Earnings weight | -- |
| P | [UNION](https://cps.ipums.org/cps-action/variables/UNION) | Union membership | -- |
| P | [EARNWEEK](https://cps.ipums.org/cps-action/variables/EARNWEEK) | Weekly earnings | -- |
| P | [UHRSWORKORG](https://cps.ipums.org/cps-action/variables/UHRSWORKORG) | Usual hours worked per week, outgoing rotation groups | -- |

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| P | [UHRSWORK1](https://cps.ipums.org/cps-action/variables/UHRSWORK1) | Hours usually worked per week at main job |
| P | [AHRSWORKT](https://cps.ipums.org/cps-action/variables/AHRSWORKT) | Hours worked last week |
| P | [EMPSAME](https://cps.ipums.org/cps-action/variables/EMPSAME) | Still working for same employer |
| P | [NUMJOB](https://cps.ipums.org/cps-action/variables/NUMJOB) | How many jobs had in past week |

Supplementary dta extract for years 1982-1989 where hours data is missing (CPS\_00042).

|  |  |  |
| --- | --- | --- |
| P | [HOURWAGE](https://cps.ipums.org/cps-action/variables/HOURWAGE) | Hourly wage |
| P | [PAIDHOUR](https://cps.ipums.org/cps-action/variables/PAIDHOUR) | Paid by the hour |

**BEA Data:** gives output and price level information

Download SQGDP9 (Real GDP) and SQGDP2 (Nominal GDP) from this [link](https://apps.bea.gov/histdatacore/HistFileDetails.html?HistCateID=1&FileGroupID=276) for state quarterly GDP data from 2005-2023. We use these two

Use the following sectors [Line Code]-

* Retail trade [34]
* Wholesale trade [35]
* Construction [11]
* Mining, quarrying, and oil and gas extraction [6]
* Other services (except government) [82]
* Finance and insurance [51]
* Real estate and rental and leasing [56]
* Information [45]
* Administrative and support and waste management and remediation services [65]
* Health care and social assistance [70]
* Professional, scientific, and technical services [60]
* Arts, entertainment, and recreation [76]
* Educational services [69]
* Management of companies and enterprises [64]
* Utilities [10]
* Durable goods [13]
* Nondurable goods [25]
* Accommodation and food services [79]

1997-2023 annual sector GDP downloaded from this [link](https://apps.bea.gov/regional/downloadzip.htm)

1947-1997 annual GDP by sector data comes from this [link](https://apps.bea.gov/iTable/?reqid=147&step=2) (download the Annual Tables zip file). We use the spreadsheet GDPbyInd\_VA\_1947-1997 and use the sheet “VA”.

4 sector aggregations from 2005-2023 quarterly data occur for 1947-2023 data:

1. “Finance and insurance” + “Real estate and rental and leasing” = “Finance, insurance, real estate, rental, and leasing”
2. “Educational Services” + “Health care and social assistance” = “Educational services, health care, and social assistance”
3. “Arts, entertainment, and recreation” + “Accommodation and food services” = “Arts, entertainment, recreation, accommodation, and food services”
4. “Administrative and support and waste management services” + “Management of companies and enterprises” + “Professional, scientific, and technical services” = “Professional and business services”

1997-2023 annual sector price level data downloaded from this [link](https://apps.bea.gov/histdatacore/histChildLevels.html?HMI=8&oldDiv=Industry%20Accounts)

1. Once downloaded, open the “Value Added” file and select sheet “TVA104-A’

1947-1997 annual price level data comes from the same file as corresponding GDP data but from sheet “Chain Price Indices”.

**BLS Data:** Gives monthly, industry level employment data for 2005-2023 and annual, industry level employment data for 1979-2023

Select “[Multi-Screen](https://data.bls.gov/multi-screen?survey=sm)” data tool from State and Metro Area Employment, Hours, and Earnings (SAE) [page](https://www.bls.gov/sae/data/)

1. Pick “Not Seasonally Adjusted”
2. Pick “All Employees, In Thousands”
3. Choose all 50 states + District of Columbia
4. Choose “Statewide”
5. Choose 10, 20, 31, 32, 41, 42, 43, 50, 55, 60, 65, 70, 80 as supersectors
6. Select the same industries as those from the BEA data
7. Download a multi-series table for all time periods for years 2005-2024

Download the BLS Series ID [codes](https://www.bls.gov/help/hlpforma.htm#SM) to parse the Series IDs

For annual data from 1979-2023, use the Current Employment Statistics [survey](https://data.bls.gov/multi-screen?survey=ce). Repeat the aforementioned steps for the CES data. Note that there will be the same adjustments in aggregation as there were for annual historical GDP data. Instead of “Arts, entertainment, recreation, accommodation, and food services”, the label will be “Leisure Services”. Instead of “Finance, insurance, real estate, rental, and leasing”, the label will be “Financial activities”.

**Crosswalks:** crosswalks come from IPUMS and use the Acemoglu published crosswalks. We download the ind1990 [codes](https://www.census.gov/content/dam/Census/library/working-papers/2003/demo/techtab01.pdf). We use the [crosswalk](https://www.aeaweb.org/articles?id=10.1257/jep.33.2.3) created by Acemoglu and Restrepo (2019) for further information about categories. In addition, we use information from the IPUMS [website](https://usa.ipums.org/usa/volii/ind1990.shtml).

1. Note that the last three variables were not downloaded at the same time and had to be downloaded in two batches in cps\_00042 and cps\_00044. Additionally, 1979 data is downloaded by CPS\_00043. [↑](#footnote-ref-1)
2. Only selecting above age 15 reduces the size of the extracts [↑](#footnote-ref-2)