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| --- | --- | --- | --- | --- |
| **Program** | **Input** | **Output** | **Merge** | **What it does** |
| LoadAnnualGDP\_VN(24) | AllTablesHist/GDPbyInd\_VA\_1947-1997.xlsx, SAGDP2N\_\_ALL\_AREAS\_1997\_2023.csv | AnnualGDP\_final, Line\_Code\_Descrip\_Annual | No | Uses two sources for Annual GDP data to create industry level annual panel |
| ind1990\_LCxwalk\_annual\_VN(24) | Ind\_90\_00.xls | ind1990LCxwalk\_annual | No | Categorizes Ind1990 variable into Line Codes which are used across BLS/BEA data |
| BLS\_Annual\_Employment\_VN(24) | Employmentbysector79-2023.xlsx, ce.industry.txt | emp\_gdp\_inf\_annual | Yes | Imports employment from BLS and merges with inflation and GDP data |
| collapses\_cps\_annual\_VN(24) | fullcps(year range)mincer | merged\_cps\_(year range), wagechanges\_(year range), separations\_(year range), collapsed\_wages\_i\_(year range), collapsed\_hours\_(year range), collapsed\_demographics\_i\_(year range) | Yes | Merges wage, demographic, separations, hours, and sector level data for 1979-1992, 1993-2004, 2005-2023 |
| Execute\_Macro\_Regression\_VN(24) | merged\_cps\_0523, merged\_cps\_9304, merged\_cps\_7992 | merged\_cps\_annual | No | Appends the merged and collapsed cps data for the 3 year bands and then runs the macro regression |
| Execute\_Micro\_Regression | fullcps0523mincer, fullcps9304mincer, fullcps7992 | fullcps\_microreg | Yes | Appends various mincer residual dta files and creates controls for micro regression |
| Imputewages\_VN(24) | fullcps0523, fullcps9304, fullcps7992 | fullcps0523, fullcps9304, fullcps7992 | Yes | Use distribution to impute the top code for different year ranges |
| Microdataprep\_VN(24) | fullcps0523, fullcps9304, fullcps7992 | fullcps0523, fullcps9304, fullcps7992 | No | Create controls for mincer equation |
| LoadAnnualInflation\_VN(24) | GDPbyInd\_VA\_1947-1997.xlsx, PriceIndices(97-23).xlsx | AnnualInflation\_final | No | Creates price index from two spreadsheets for inflation rate by industry |
| Creatingfullcps05\_VN(24) | cps\_00041, cps\_00040, cps\_00042, | fullcps0523 | Yes | Creates microdata file for 2005-2023 and for quarterly regression |
| ind1990\_LCxwalk\_VN(24) | ind\_90-00.xls | ind1990LCxwalk | Yes | Matches ind1990 to industry categories |
| fullcpsbuilder\_9304 | cps\_00039, cps\_00040, cps\_00044 | fullcps9304 | Yes | Appends and creates microdataset for 1993-2004 and merged with Line Codes |
| fullcpsbuilder7992\_VN(24) | cps\_00039, cps\_00038, cps\_00044, cps\_00046, 79morgearnings, 8081morgearnings | fullcps7992 | Yes | Appends and creates microdataset for 1993-2004 and merged with Line Codes and MORG data |
| Merges\_MORG\_VN(24) | earnings\_1979\_1981, cps\_00043, cps\_00038 | 79morgearnings, 8081morgearnings | Yes | Take the cps files and merge them with the MORG files to replace earnings and hours |
| ParsesSeriesID\_VN(24) | MasterSeries.xlsx | employeesgdpmerged | Yes | Creates employment by state-sector and then merges with quarterly inflation and GDP data |
| collapsescps\_VN(24) | fullcps0523, employeesgdpmerged | separations, wagechanges, collapsed\_demographics\_i, collapsedwages\_i, collapsedhours\_i | Yes | Uses microdata to collapse necessary variables by State, industry, and year-quarter and merges with macro data |
| quarterly\_logit\_VN(24) | mergedcollapsedcps | empiricalmodel | No | Runs the xtreg regression and creates all the necessary state-time variables |
| MincerEquation\_VN(24) | fullcps0523, fullcps7992, fullcps9304 | fullcps0523mincer, fullcps7992mincer, fullcps9304mincer | Yes | Runs mincer equation and stores residuals and coefficients for rolling window and full sample regressions and merges them with the fullcps files |