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> -----
> -----
      name: <unnamed>
      log: C:\KY-SNAP-ABAWD-Waivers\Log_Files\QCEW_County_Cleaning.log
      log type: text
      opened on: 24 Aug 2025, 22:54:09

. /*****
> FILE NAME: QCEW_County_Cleaning
> AUTHOR: Dylan Craig
> DATE CREATED: November 24, 2024
> DATE MODIFIED: November 26, 2024
>
> PURPOSE: Process and clean QCEW county-level employment and wages data.
> *****/

. // Echo header into log
. di as txt "*****"
*****

. di as txt "FILE NAME: QCEW_County_Cleaning"
FILE NAME: QCEW_County_Cleaning

. di as txt "AUTHOR: Dylan Craig"
AUTHOR: Dylan Craig

. di as txt "DATE CREATED: November 24, 2024"
DATE CREATED: November 24, 2024

. di as txt "DATE MODIFIED: November 26, 2024"
DATE MODIFIED: November 26, 2024

. di as txt "PURPOSE: Process and clean QCEW county-level employment and wages data."
PURPOSE: Process and clean QCEW county-level employment and wages data.

. di as txt "*****"
*****

. // ----- Step 1: Set Up -----
. local raw_folder "$base_path/Raw_Data/QCEW_County_Data"

. local file "Employment and Wages by Industry.xlsx"

. local output_folder "$base_path/Data_Outputs/QCEW_County_Data"

. // ----- Step 2: Import Excel File -----
. di "Processing: `file'"
Processing: Employment and Wages by Industry.xlsx

. local filepath "`raw_folder'/'`file'"

. import excel "`filepath'", sheet("WEEKLY WAGES") firstrow clear
(24 vars, 17,947 obs)

. // ----- Step 3: Keep Necessary Variables -----

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. keep Area Year Quarter AllIndustries

.
. // ----- Step 4: Drop Observations -----
. di "Dropping observations where Year is less than 2017."
Dropping observations where Year is less than 2017.

. drop if Year < 2017
(14,148 observations deleted)

. drop in 1/319
(319 observations deleted)

.
. // ----- Step 5: Expand Quarter to Months -----
. expand 3
(6,960 observations created)

. sort Area Year Quarter

. gen Month = ""
(10,440 missing values generated)

. bysort Area Year (Quarter): replace Month = "01" if Quarter == 1 & mod(_n,3)==1
(960 real changes made)

. bysort Area Year (Quarter): replace Month = "02" if Quarter == 1 & mod(_n,3)==2
(960 real changes made)

. bysort Area Year (Quarter): replace Month = "03" if Quarter == 1 & mod(_n,3)==0
(960 real changes made)

. bysort Area Year (Quarter): replace Month = "04" if Quarter == 2 & mod(_n,3)==1
(840 real changes made)

. bysort Area Year (Quarter): replace Month = "05" if Quarter == 2 & mod(_n,3)==2
(840 real changes made)

. bysort Area Year (Quarter): replace Month = "06" if Quarter == 2 & mod(_n,3)==0
(840 real changes made)

. bysort Area Year (Quarter): replace Month = "07" if Quarter == 3 & mod(_n,3)==1
(840 real changes made)

. bysort Area Year (Quarter): replace Month = "08" if Quarter == 3 & mod(_n,3)==2
(840 real changes made)

. bysort Area Year (Quarter): replace Month = "09" if Quarter == 3 & mod(_n,3)==0
(840 real changes made)

. bysort Area Year (Quarter): replace Month = "10" if Quarter == 4 & mod(_n,3)==1
(840 real changes made)

. bysort Area Year (Quarter): replace Month = "11" if Quarter == 4 & mod(_n,3)==2
(840 real changes made)

. bysort Area Year (Quarter): replace Month = "12" if Quarter == 4 & mod(_n,3)==0
(840 real changes made)

. drop Quarter

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. // ----- Step 6: Final Adjustments -----
. order Area Year Month AllIndustries

. rename AllIndustries Quart_Wkly_Wage

. rename Area COUNTY

. label variable Quart_Wkly_Wage "Quarterly Median Weekly Wage for All Industries"

. deststring Month, replace
Month: all characters numeric; replaced as byte

. deststring Year, replace
Year already numeric; no replace

. replace COUNTY = proper(lower(COUNTY))
(261 real changes made)

.
. // ----- Step 7: Save Final Dataset -----
. save "`output_folder'/Cleaned_QCEW_Data.dta", replace
file C:\KY-SNAP-ABAWD-Waivers\Data_Outputs/QCEW_County_Data/Cleaned_QCEW_Data.dta save
> d

. di "Final dataset successfully saved to `output_folder'."
Final dataset successfully saved to C:\KY-SNAP-ABAWD-Waivers\Data_Outputs/QCEW_County_
> Data.

.
. // Close the log
. log close
    name: <unnamed>
    log: C:\KY-SNAP-ABAWD-Waivers\Log_Files/QCEW_County_Cleaning.log
    log type: text
    closed on: 24 Aug 2025, 22:54:21
-----
> -----
> -----

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