```
  -------------------------------------------------------------------------------
> -------------------------------------------------------------------------------
> -----
      name:  <unnamed>
       log:  C:\KY-SNAP-ABAWD-Waivers/Log_Files/LAUS_County_Cleaning.log
  log type:  text
 opened on:  24 Aug 2025, 22:54:03

.
. /***********************************************
> FILE NAME: LAUS_County_Cleaning
> AUTHOR: Dylan Craig
> DATE CREATED: November 24, 2024
> DATE MODIFIED: November 26, 2024
>
> PURPOSE: Clean and process LAUS county-level data for analysis.
> ***********************************************/
.
. // Echo header into log
. di as txt "***********************************************"
***********************************************

. di as txt "FILE NAME: LAUS_County_Cleaning"
FILE NAME: LAUS_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: Clean and process LAUS county-level data for analysis."
PURPOSE: Clean and process LAUS county-level data for analysis.

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

.
. // ----------------------- Step 1: Set Up -------------------------
. // Define raw folder and input file
. local raw_folder "$base_path/Raw_Data/LAUS_County_Data"

. local file "Master_LAUS_Report.xlsx"

.
. // ----------------------- Step 2: Import Data --------------------
. di "Processing: `file'"
Processing: Master_LAUS_Report.xlsx

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

. di "Full file path: `filepath'"
Full file path: C:\KY-SNAP-ABAWD-Waivers/Raw_Data/LAUS_County_Data/Master_LAUS_Report.
> xlsx

.
. // Import Excel file starting from row 6 for variable names
```

```
. import excel "`filepath'", cellrange(A6) firstrow clear
(14 vars, 54,122 obs)


.
. // ----------------------- Step 3: Drop Unnecessary Variables -------
. drop A B C E L M N


.
. // ----------------------- Step 4: Clean and Convert Variables ------
. foreach var of varlist CivilianLaborForce Employed Unemployed UnemploymentRate {
  2.     replace `var' = subinstr(`var', "(P)", "", .)   // Remove provisional flags
  3.     replace `var' = subinstr(`var', "%", "", .)     // Remove %
  4.     replace `var' = subinstr(`var', ",", "", .)     // Remove commas
  5.     destring `var', replace force                   // Convert to numeric
  6. }
(120 real changes made)
(0 real changes made)
(53,820 real changes made)
CivilianLaborForce: all characters numeric; replaced as long
(2 missing values generated)
(120 real changes made)
(0 real changes made)
(53,700 real changes made)
Employed: all characters numeric; replaced as long
(2 missing values generated)
(120 real changes made)
(0 real changes made)
(13,120 real changes made)
Unemployed: all characters numeric; replaced as long
(2 missing values generated)
(120 real changes made)
(54,120 real changes made)
(0 real changes made)
UnemploymentRate: all characters numeric; replaced as double
(2 missing values generated)


.
. // ----------------------- Step 5: Filter Data ---------------------
. drop if real(Year) < 2017
(42,120 observations deleted)


.
. // ----------------------- Step 6: Format Month Variable ------------
. gen MonthFormatted = ""
(12,002 missing values generated)

. replace MonthFormatted = "01" if Month == "January"
variable MonthFormatted was str1 now str2
(960 real changes made)

. replace MonthFormatted = "02" if Month == "February"
(960 real changes made)

. replace MonthFormatted = "03" if Month == "March"
(960 real changes made)

. replace MonthFormatted = "04" if Month == "April"
(960 real changes made)

. replace MonthFormatted = "05" if Month == "May"
(960 real changes made)
```

```
. replace MonthFormatted = "06" if Month == "June"
(960 real changes made)

. replace MonthFormatted = "07" if Month == "July"
(960 real changes made)

. replace MonthFormatted = "08" if Month == "August"
(960 real changes made)

. replace MonthFormatted = "09" if Month == "September"
(960 real changes made)

. replace MonthFormatted = "10" if Month == "October"
(840 real changes made)

. replace MonthFormatted = "11" if Month == "November"
(840 real changes made)

. replace MonthFormatted = "12" if Month == "December"
(840 real changes made)

.
. drop Month

. rename MonthFormatted Month

.
. // ----------------------- Step 7: Clean and Standardize COUNTY -----
. rename Location COUNTY

. replace COUNTY = subinstr(COUNTY, " County", "", .)
(12,000 real changes made)

. replace COUNTY = upper(trim(COUNTY))
(12,001 real changes made)

. replace COUNTY = proper(lower(COUNTY))
(12,001 real changes made)

.
. // ----------------------- Step 8: Final Adjustments ----------------
. drop if trim(Month) == "" | missing(Month)
(842 observations deleted)

.
. sort COUNTY Year Month

. order COUNTY Year Month CivilianLaborForce Employed Unemployed UnemploymentRate

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

. destring Year, replace
Year: all characters numeric; replaced as int

.
. rename CivilianLaborForce Mnthly_Civilian_Labor_Force

. label variable Mnthly_Civilian_Labor_Force "Monthly Civilian Labor Force"
```

```
.
. rename Employed Mnthly_Employed

. label variable Mnthly_Employed "Monthly Number of Employed Individuals"


.
. rename Unemployed Mnthly_Unemployed

. label variable Mnthly_Unemployed "Monthly Number of Unemployed Individuals"


.
. rename UnemploymentRate Mnthly_Unemployment_Rate

. label variable Mnthly_Unemployment_Rate "Monthly Unemployment Rate (percentage)"


.
. // ----------------------- Step 9: Save Final Dataset ---------------
. save "$base_path/Data_Outputs/LAUS_County_Data/Cleaned_LAUS_Data.dta", replace
file C:\KY-SNAP-ABAWD-Waivers/Data_Outputs/LAUS_County_Data/Cleaned_LAUS_Data.dta save
> d

. di "LAUS county data successfully processed and saved."
LAUS county data successfully processed and saved.


.
. // Close the log
. log close
      name:  <unnamed>
       log:  C:\KY-SNAP-ABAWD-Waivers/Log_Files/LAUS_County_Cleaning.log
  log type:  text
 closed on:  24 Aug 2025, 22:54:09
--------------------------------------------------------------------------------
> --------------------------------------------------------------------------------
> -----
```