

```

-----
> -----
> -----
      name: <unnamed>
      log: C:\KY-SNAP-ABAWD-Waivers\Log_Files\Data_Cleaning.log
      log type: text
      opened on: 24 Aug 2025, 22:54:21

. /*****
> FILE NAME: Data_Cleaning
> AUTHOR: Dylan Craig
> DATE CREATED: November 24, 2024
> DATE MODIFIED: November 26, 2024
>
> PURPOSE: Merge all .dta files from specified folders by COUNTY, Year, and Month.
> *****/

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

. di as txt "FILE NAME: Data_Cleaning"
FILE NAME: Data_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: Merge all .dta files from specified folders by COUNTY, Year, and
> Month."
PURPOSE: Merge all .dta files from specified folders by COUNTY, Year, and Month.

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

.
. // ----- Step 1: Load Population Data -----
. // Start with ACS population dataset
. use "$base_path/Data_Outputs/ACS_Population/ACS_Population_Cleaned.dta", clear

.
. // Append Census Bureau County Population data
. append using "$base_path/Data_Outputs/Census_Bureau_County_Population_Data/County_Po
> pulation.dta"
(variable COUNTY was str12, now str380 to accommodate using data's values)
(variable Month was byte, now float to accommodate using data's values)

.
. // ----- Step 2: Sequential Merges -----
. // ACS Education
. merge 1:1 COUNTY Year Month using "$base_path/Data_Outputs/ACS_Education/ACS_Educati
> on_Cleaned.dta", keepusing(*) nogen

      Result                      Number of obs
      -----
      Not matched                  1,440
          from master              1,440
          from using                0

      Matched                      8,640
      -----

```

```

.
. // ACS Poverty
. merge 1:1 COUNTY Year Month using "$base_path/Data_Outputs/ACS_Poverty/ACS_Poverty_C
> leaned.dta", keepusing(*) nogen

```

Result	Number of obs
Not matched	1,440
from master	1,440
from using	0
Matched	8,640

```

.
. // ACS Race
. merge 1:1 COUNTY Year Month using "$base_path/Data_Outputs/ACS_Race/ACS_Race_Cleaned
> .dta", keepusing(*) nogen

```

Result	Number of obs
Not matched	1,500
from master	1,440
from using	60
Matched	8,640

```

.
. // County Health Rankings
. merge 1:1 COUNTY Year Month using "$base_path/Data_Outputs/County_Health_Rankings_Ro
> admaps_Data/Cleaned_FoodInsecurity_Data.dta", keepusing(*) nogen

```

Result	Number of obs
Not matched	1,500
from master	60
from using	1,440
Matched	10,080

```

.
. // Kentucky County ABAWD
. merge 1:1 COUNTY Year Month using "$base_path/Data_Outputs/Kentucky_County_ABAWD_Dat
> a/Cleaned_ABAWD_Data.dta", keepusing(*) nogen

```

Result	Number of obs
Not matched	896
from master	660
from using	236
Matched	10,920

```

.
. // Kentucky Waiver Status
. merge 1:1 COUNTY Year Month using "$base_path/Data_Outputs/Kentucky_Waiver_Status/Fi
> nal_Waiver_Status.dta", keepusing(*) nogen

```

Result	Number of obs
Not matched	416
from master	416
from using	0
Matched	11,400

```
.
. // LAUS County Data
. merge 1:1 COUNTY Year Month using "$base_path/Data_Outputs/LAUS_County_Data/Cleaned_
> LAUS_Data.dta", keepusing(*) nogen
```

Result	Number of obs
Not matched	656
from master	656
from using	0
Matched	11,160

```
.
. // QCEW County Data
. merge 1:1 COUNTY Year Month using "$base_path/Data_Outputs/QCEW_County_Data/Cleaned_
> QCEW_Data.dta", keepusing(*) nogen
```

Result	Number of obs
Not matched	1,376
from master	1,376
from using	0
Matched	10,440

```
.
. // ----- Step 3: Variable Creation -----
. // Make sure numeric fields are numeric (avoids type mismatch issues)
. destring Ann_Below_Poverty Ann_NH_White Ann_NH_Black Ann_NH_AIAN Ann_NH_Asian ///
> Ann_NH_NHOPI Ann_NH_Other Ann_NH_TwoOrMore Ann_Hispanic_Latino, replace for
> ce
```

```
Ann_Below_Poverty already numeric; no replace
Ann_NH_White: contains nonnumeric characters; replaced as long
(3176 missing values generated)
Ann_NH_Black: contains nonnumeric characters; replaced as long
(3176 missing values generated)
Ann_NH_AIAN: contains nonnumeric characters; replaced as int
(3176 missing values generated)
Ann_NH_Asian: contains nonnumeric characters; replaced as int
(3176 missing values generated)
Ann_NH_NHOPI: contains nonnumeric characters; replaced as int
(3176 missing values generated)
Ann_NH_Other: contains nonnumeric characters; replaced as int
(3176 missing values generated)
Ann_NH_TwoOrMore: contains nonnumeric characters; replaced as int
(3176 missing values generated)
Ann_Hispanic_Latino: contains nonnumeric characters; replaced as long
(3176 missing values generated)
```

```
.
. // Poverty percentage
. gen Ann_Perc_Below_Poverty = (Ann_Below_Poverty / Ann_Population) * 100
(3,176 missing values generated)

. label variable Ann_Perc_Below_Poverty "Annual Percentage of population below poverty
> level"
```

[illegible]

```

.
. // ----- Step 4: Convert Percentages to Proportions -----
> -
. local percent_vars Ann_Perc_HS_25_Over Ann_Perc_Bach_25_Over Ann_Perc_Below_Poverty
> ///
> Ann_Perc_NH_White Ann_Perc_NH_Black Ann_Perc_NH_AIAN Ann_Perc_NH_Asian Ann_Perc_
> NH_NHOPI ///
> Ann_Perc_NH_Other Ann_Perc_NH_TwoOrMore Ann_Perc_Hispanic_Latino Ann_FoodInsecur
> ePerc ///
> Ann_RuralPopPerc Mnthly_Unemployment_Rate

.
. foreach var of local percent_vars {
. 2. replace `var' = `var' / 100
. 3. }
(8,640 real changes made)
(8,640 real changes made)
(8,640 real changes made)
(8,640 real changes made)
(8,604 real changes made)
(7,056 real changes made)
(7,680 real changes made)
(3,084 real changes made)
(5,148 real changes made)
(8,580 real changes made)
(8,532 real changes made)
(11,520 real changes made)
(11,520 real changes made)
(11,160 real changes made)

.
. // ----- Step 5: Final Adjustments -----
> -
. order COUNTY REGION Year Month WaiverStatus Ann_Population

. sort COUNTY Year Month

.
. save "$base_path/Data_Outputs/Final_Cleaned_Data/Final_Cleaned_Data.dta", replace
file C:\KY-SNAP-ABAWD-Waivers\Data_Outputs/Final_Cleaned_Data/Final_Cleaned_Data.dta s
> aved

. di "All files successfully merged and saved."
All files successfully merged and saved.

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

```