



```

name: <unnamed>
log: C:\Users\NXDin\GitHub\STRIDES-Codes\A-Way-Out\DataProcess\DinhNguyen\DATA
> TEMP\data_usa_demo.scml
log type: smcl
opened on: 22 Jun 2021, 15:41:14

```

```
1 . codebook
```

---

region_code	Region
-------------	--------

---

```

type: numeric (byte)
label: region_code

range: [1,4]          units: 1
unique values: 4      missing.: 0/167

tabulation: Freq.   Numeric   Label
              31         1   Northeast
              37         2   Midwest
              64         3   South
              35         4   West

```

---

region_name	Region_name
-------------	-------------

---

```

type: string (str9)

unique values: 4      missing "": 0/167

tabulation: Freq.   Value
              37   "Midwest"
              31   "Northeast"
              64   "South"
              35   "West"

```

---

division_code	Division
---------------	----------

---

```

type: numeric (byte)
label: division_code

range: [1,9]          units: 1
unique values: 9      missing.: 0/167

tabulation: Freq.   Numeric   Label
              16         1   New England
              15         2   Middle Atlantic
              21         3   East North Central
              16         4   West North Central
              34         5   South Atlantic
              15         6   East South Central
              15         7   West South Central
              18         8   Mountain
              17         9   Pacific

```

---

division_name	Division_name
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---

```

type: string (str18)

unique values: 9      missing "": 0/167

```

```

tabulation:  Freq.  Value
              21  "East North Central"
              15  "East South Central"
              15  "Middle Atlantic"
              18  "Mountain"
              16  "New England"
              17  "Pacific"
              34  "South Atlantic"
              16  "West North Central"
              15  "West South Central"

```

warning: variable has embedded blanks

---

state_abbr	Abbreviation State
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---

```

type: string (str2)
unique values: 51 missing "": 0/167
examples: "DE"
          "MA"
          "NJ"
          "RI"

```

---

state_code	State-level FIPS code
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---

```

type: numeric (byte)
label: state_code
range: [1,56] units: 1
unique values: 51 missing .: 0/167
examples: 11 District of Columbia
          24 Maryland
          36 New York
          44 Rhode Island

```

---

state_name	US State
------------	----------

---

```

type: string (str20)
unique values: 51 missing "": 0/167
examples: "District of Columbia"
          "Maryland"
          "New York"
          "Rhode Island"
warning: variable has embedded blanks

```

---

year	Year
------	------

---

```

type: numeric (int)
range: [2018,2019] units: 1
unique values: 2 missing .: 0/167
tabulation:  Freq.  Value
              91  2018
              76  2019

```

---

**popestimate** **Resident total population estimate**

---

```

      type:  numeric (long)
      range:  [577601,39512223]
unique values: 102
      units:  1
      missing.: 0/167

      mean:   8.3e+06
      std. dev: 9.1e+06

percentiles:      10%      25%      50%      75%      90%
                  965479   3.0e+06  5.8e+06  1.0e+07  1.9e+07

```

---

**npopchg** **Change in resident total population**

---

```

      type:  numeric (long)
      range:  [-76790,367215]
unique values: 102
      units:  1
      missing.: 0/167

      mean:   28876.8
      std. dev: 58283.4

percentiles:      10%      25%      50%      75%      90%
                  -4871    2614    9667    38261   103091

```

---

**births** **Births**

---

```

      type:  numeric (long)
      range:  [5537,465017]
unique values: 102
      units:  1
      missing.: 0/167

      mean:   96025.1
      std. dev: 106758

percentiles:      10%      25%      50%      75%      90%
                  10691    35700   64524   120176   221695

```

---

**deaths** **Deaths**

---

```

      type:  numeric (long)
      range:  [4664,282520]
unique values: 102
      units:  1
      missing.: 0/167

      mean:   70252
      std. dev: 67268.3

percentiles:      10%      25%      50%      75%      90%
                  9420    25230   50845   93703   160899

```

---

**naturalinc** **Natural increase**

---

```

      type:  numeric (long)
      range:  [-4679,187439]
unique values: 102
      units:  1
      missing.: 0/167

      mean:   25773.1
      std. dev: 43175.3

```

percentiles:	10%	25%	50%	75%	90%
	1630	5318	12001	26473	41554

---

<b>internationalmig</b>	<b>Net international migration</b>
-------------------------	------------------------------------

---

type:	numeric ( <b>long</b> )				
range:	[-992,131600]	units: 1			
unique values:	101	missing .: 0/167			
mean:	15224.5				
std. dev:	21725.8				
percentiles:	10%	25%	50%	75%	90%
	454	895	9256	15990	45753

---

<b>domesticmig</b>	<b>Net domestic migration</b>
--------------------	-------------------------------

---

type:	numeric ( <b>long</b> )				
range:	[-203414,135530]	units: 1			
unique values:	102	missing .: 0/167			
mean:	-12102				
std. dev:	64803.8				
percentiles:	10%	25%	50%	75%	90%
	-104986	-13817	-2358	5996	50330

---

<b>netmig</b>	<b>Net migration</b>
---------------	----------------------

---

type:	numeric ( <b>long</b> )				
range:	[-134896,267130]	units: 1			
unique values:	102	missing .: 0/167			
mean:	3122.47				
std. dev:	58197.1				
percentiles:	10%	25%	50%	75%	90%
	-83981	-8119	956	9178	64733

---

<b>residual</b>	<b>Residual</b>
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---

type:	numeric ( <b>int</b> )				
range:	[-628,829]	units: 1			
unique values:	85	missing .: 0/167			
mean:	-18.7904				
std. dev:	177.865				
percentiles:	10%	25%	50%	75%	90%
	-190	-76	-19	43	183

---

<b>rbirth</b>	<b>Birth rate</b>
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---

type:	numeric ( <b>float</b> )	
range:	[8.84867,15.460321]	units: 1.000e-07
unique values:	102	missing .: 0/167

```

      mean: 11.6377
    std. dev: 1.10638

    percentiles:      10%      25%      50%      75%      90%
                     10.2241  11.1999  11.6513  12.0725  12.8335

```

---

<b>rdeath</b>	<b>Death rate</b>
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---

```

      type: numeric (float)

      range: [5.4856443,12.604331]      units: 1.000e-07
    unique values: 102                  missing .: 0/167

      mean: 9.00095
    std. dev: 1.28718

    percentiles:      10%      25%      50%      75%      90%
                     7.15478  8.18309  8.83873  10.2326  10.5615

```

---

<b>rnaturalinc</b>	<b>Natural increase rate</b>
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---

```

      type: numeric (float)

      range: [-2.6020191,9.8117657]      units: 1.000e-09
    unique values: 102                  missing .: 0/167

      mean: 2.6368
    std. dev: 1.95471

    percentiles:      10%      25%      50%      75%      90%
                     .641277  1.64174  2.56399  3.66416  5.03844

```

---

<b>rinternationalmig</b>	<b>Net international migration rate</b>
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---

```

      type: numeric (float)

      range: [-.3308185,6.235795]      units: 1.000e-09
    unique values: 102                  missing .: 0/167

      mean: 1.49634
    std. dev: 1.15666

    percentiles:      10%      25%      50%      75%      90%
                     .171355  .674425  1.40513  1.88507  2.96429

```

---

<b>rdomesticmig</b>	<b>Net domestic migration rate</b>
---------------------	------------------------------------

---

```

      type: numeric (float)

      range: [-14.587355,15.890627]      units: 1.000e-09
    unique values: 102                  missing .: 0/167

      mean: -.295468
    std. dev: 5.45042

    percentiles:      10%      25%      50%      75%      90%
                     -5.7565  -4.24298 -1.05254  2.9441  6.96518

```

---

<b>rnetmig</b>	<b>Net migration rate</b>
----------------	---------------------------

---

```

      type: numeric (float)

```



---

**employment\_50** **Farm proprietors employment**


---

```

      type:  numeric (long)
    range:  [0,220609]
unique values: 166
      mean:    39614
    std. dev:  31086.7
percentiles:   10%    25%    50%    75%    90%
                6194   14449   38890   61852   70612

```

---

**employment\_60** **Nonfarm proprietors employment**


---

```

      type:  numeric (long)
    range:  [61416,5732925]
unique values: 167
      mean:    913137
    std. dev:  1.1e+06
percentiles:   10%    25%    50%    75%    90%
                102389  245924  588648  1.1e+06  2.1e+06

```

---

**employment\_70** **Farm employment**


---

```

      type:  numeric (long)
    range:  [0,310619]
unique values: 166
      mean:    60982.9
    std. dev:  56666.6
percentiles:   10%    25%    50%    75%    90%
                9607   20007   53691   80764   96919

```

---

**employment\_80** **Nonfarm employment**


---

```

      type:  numeric (long)
    range:  [317671,23851280]
unique values: 167
      mean:    4.5e+06
    std. dev:  4.8e+06
percentiles:   10%    25%    50%    75%    90%
                586706  1.4e+06  3.3e+06  5.3e+06  1.0e+07

```

---

**employment\_90** **Private nonfarm employment**


---

```

      type:  numeric (long)
    range:  [252401,21039743]
unique values: 167
      mean:    3.9e+06
    std. dev:  4.2e+06

```

percentiles:	10%	25%	50%	75%	90%
	509146	1.2e+06	2.8e+06	4.6e+06	9.0e+06

---

<b>employment_100</b>	<b>Forestry, fishing, and related activities</b>
-----------------------	--

---

type:	numeric (long)				
range:	[56,255973]	units: 1			
unique values:	161	missing .: 4/167			
mean:	24367.2				
std. dev:	48190.7				
percentiles:	10%	25%	50%	75%	90%
	3437	6449	12746	15521	29337

---

<b>employment_200</b>	<b>Mining, quarrying, and oil and gas extraction</b>
-----------------------	--

---

type:	numeric (long)				
range:	[185,309144]	units: 1			
unique values:	162	missing .: 5/167			
mean:	21505.6				
std. dev:	36419.2				
percentiles:	10%	25%	50%	75%	90%
	2685	5068	12052.5	25496	43327

---

<b>employment_300</b>	<b>Utilities</b>
-----------------------	------------------

---

type:	numeric (long)				
range:	[1141,62159]	units: 1			
unique values:	164	missing .: 2/167			
mean:	14250.4				
std. dev:	14091.2				
percentiles:	10%	25%	50%	75%	90%
	2392	5458	10870	15694	26138

---

<b>employment_400</b>	<b>Construction</b>
-----------------------	---------------------

---

type:	numeric (long)				
range:	[15595,1283262]	units: 1			
unique values:	165	missing .: 2/167			
mean:	249476				
std. dev:	253634				
percentiles:	10%	25%	50%	75%	90%
	40378	86430	200716	311132	455146

---

<b>employment_500</b>	<b>Manufacturing</b>
-----------------------	----------------------

---

type:	numeric (long)	
range:	[2030,1615130]	units: 1
unique values:	167	missing .: 0/167



```

      mean:    350478
    std. dev:  345809

    percentiles:    10%    25%    50%    75%    90%
                   33734  119226  253976  490627  716484

```

---

<b>employment_600</b>	<b>Wholesale trade</b>
-----------------------	------------------------

---

```

      type: numeric (long)

      range: [5125,842913]      units: 1
    unique values: 167          missing.: 0/167

      mean:    162862
    std. dev:  180231

    percentiles:    10%    25%    50%    75%    90%
                   19456  44575  107730  239295  361107

```

---

<b>employment_700</b>	<b>Retail trade</b>
-----------------------	---------------------

---

```

      type: numeric (long)

      range: [20756,2094691]    units: 1
    unique values: 167          missing.: 0/167

      mean:    460926
    std. dev:  464029

    percentiles:    10%    25%    50%    75%    90%
                   62867  161586  330859  550526  1.0e+06

```

---

<b>employment_800</b>	<b>Transportation and warehousing</b>
-----------------------	---------------------------------------

---

```

      type: numeric (long)

      range: [6367,1123449]    units: 1
    unique values: 165          missing.: 2/167

      mean:    160815
    std. dev:  169086

    percentiles:    10%    25%    50%    75%    90%
                   19911  61366  108675  203069  340867

```

---

<b>employment_900</b>	<b>Information</b>
-----------------------	--------------------

---

```

      type: numeric (long)

      range: [4663,618684]    units: 1
    unique values: 166          missing.: 1/167

      mean:    92408.1
    std. dev:  124601

    percentiles:    10%    25%    50%    75%    90%
                   9377   20833  57603.5  101586  184149

```

---

<b>employment_1000</b>	<b>Finance and insurance</b>
------------------------	------------------------------

---

```

      type: numeric (long)

```

```

      range: [10204,1103189]      units: 1
unique values: 167                missing.: 0/167

      mean: 228101
    std. dev: 250688

percentiles:      10%      25%      50%      75%      90%
                  26664    55691    158669    289354    574528

```

---

<b>employment_1100</b>	<b>Real estate and rental and leasing</b>
------------------------	---

---

```

      type: numeric (long)

      range: [10626,1208570]      units: 1
unique values: 167                missing.: 0/167

      mean: 200140
    std. dev: 245083

percentiles:      10%      25%      50%      75%      90%
                  22663    48055    129146    233333    521231

```

---

<b>employment_1200</b>	<b>Professional, scientific, and technical services</b>
------------------------	---

---

```

      type: numeric (long)

      range: [13776,2078160]      units: 1
unique values: 167                missing.: 0/167

      mean: 323715
    std. dev: 405497

percentiles:      10%      25%      50%      75%      90%
                  34190    61659    172653    399268    687477

```

---

<b>employment_1300</b>	<b>Management of companies and enterprises</b>
------------------------	--

---

```

      type: numeric (long)

      range: [923,286605]      units: 1
unique values: 167                missing.: 0/167

      mean: 58201.3
    std. dev: 58923.8

percentiles:      10%      25%      50%      75%      90%
                  4458     16558    33127     79874    143159

```

---

<b>employment_1400</b>	<b>Administrative and support and waste management and remediation services</b>
------------------------	---

---

```

      type: numeric (long)

      range: [11479,1529386]      units: 1
unique values: 167                missing.: 0/167

      mean: 278583
    std. dev: 315351

percentiles:      10%      25%      50%      75%      90%
                  29497    73931    179487    350750    549418

```

---

<b>employment_1500</b>	<b>Educational services</b>
------------------------	-----------------------------

---

```

      type: numeric (long)
      range: [2378,545458]
unique values: 167
      units: 1
      missing.: 0/167

      mean: 101477
      std. dev: 117251

      percentiles:      10%      25%      50%      75%      90%
                       12022    21154    63594    127039    233269

```

---

<b>employment_1600</b>	<b>Health care and social assistance</b>
------------------------	--

---

```

      type: numeric (long)
      range: [22869,2719180]
unique values: 167
      units: 1
      missing.: 0/167

      mean: 481634
      std. dev: 507910

      percentiles:      10%      25%      50%      75%      90%
                       66094    138506    304559    594005    1.1e+06

```

---

<b>employment_1700</b>	<b>Arts, entertainment, and recreation</b>
------------------------	--

---

```

      type: numeric (long)
      range: [5671,677450]
unique values: 167
      units: 1
      missing.: 0/167

      mean: 100835
      std. dev: 129463

      percentiles:      10%      25%      50%      75%      90%
                       13032    20974    70949    114345    206476

```

---

<b>employment_1800</b>	<b>Accommodation and food services</b>
------------------------	--

---

```

      type: numeric (long)
      range: [28452,1828894]
unique values: 167
      units: 1
      missing.: 0/167

      mean: 315744
      std. dev: 338306

      percentiles:      10%      25%      50%      75%      90%
                       43175    96286    225052    374027    615160

```

---

<b>employment_1900</b>	<b>Other services (except government and government enterprises)</b>
------------------------	--

---

```

      type: numeric (long)
      range: [18190,1466425]
unique values: 166
      units: 1
      missing.: 1/167

      mean: 262227
      std. dev: 293399

```

percentiles:	10%	25%	50%	75%	90%
	31893	84358	174916	308893	614755

---

<b>employment_2000</b>	<b>Government and government enterprises</b>
------------------------	--

---

type:	numeric ( <b>long</b> )				
range:	[57125,2811537]	units: 1			
unique values:	167	missing .: 0/167			
mean:	609883				
std. dev:	607963				
percentiles:	10%	25%	50%	75%	90%
	89126	218716	422494	822668	1.2e+06

---

<b>employment_2001</b>	<b>Federal civilian</b>
------------------------	-------------------------

---

type:	numeric ( <b>long</b> )				
range:	[5385,269052]	units: 1			
unique values:	167	missing .: 0/167			
mean:	68194.1				
std. dev:	65365.6				
percentiles:	10%	25%	50%	75%	90%
	11102	21243	49268	79611	186743

---

<b>employment_2002</b>	<b>Military</b>
------------------------	-----------------

---

type:	numeric ( <b>long</b> )				
range:	[3953,235850]	units: 1			
unique values:	167	missing .: 0/167			
mean:	53609.1				
std. dev:	57908.4				
percentiles:	10%	25%	50%	75%	90%
	8870	17438	35118	55564	145463

---

<b>employment_2010</b>	<b>State and local</b>
------------------------	------------------------

---

type:	numeric ( <b>long</b> )				
range:	[35499,2358872]	units: 1			
unique values:	167	missing .: 0/167			
mean:	488080				
std. dev:	504595				
percentiles:	10%	25%	50%	75%	90%
	62420	172374	344254	603589	968609

---

<b>employment_2011</b>	<b>State government</b>
------------------------	-------------------------

---

type:	numeric ( <b>long</b> )	
range:	[0,550066]	units: 1
unique values:	166	missing .: 0/167

```

      mean:    130477
    std. dev:   110311

percentiles:      10%      25%      50%      75%      90%
                  23884      62220      101426      172154      243996

```

---

<b>employment_2012</b>	<b>Local government</b>
------------------------	-------------------------

---

```

      type:  numeric (long)

      range:  [19319,1808806]      units:  1
unique values: 167      missing .:  0/167

      mean:    357603
    std. dev:   396765

percentiles:      10%      25%      50%      75%      90%
                  37785      107035      247212      414049      714088

```

```

2 . log close
   name:  <unnamed>
   log:   C:\Users\NXDin\GitHub\STRIDES-Codes\A-Way-Out\DataProcess\DinhNguyen\DATA
> TEMP\data_usa_demo.scml
   log type:  smcl
closed on:   22 Jun 2021, 15:41:14

```

---