STATA
Statistics/Data analysis

_____

```
     name:  <unnamed>
      log:  C:\Users\NXDin\GitHub\STRIDES-Codes\A-Way-Out\Data_Process\DinhNguyen/DAT
> ATEMP/data_usa_demo.scml
 log type:  smcl
opened on:  24 Jun 2021, 15:35:42
```

1 . codebook

_____

state_abbr   **Abbreviation State**
_____

              Type: String (**str2**)

     Unique values: **52**   Missing "": **0/156**

          Examples: **"GA"**
                    "MD"
                    "NH"
                    "SC"

_____

state_code   **State-level FIPS code**
_____

              Type: Numeric (**byte**)
             Label: **state_code**

             Range: [**1,72**]   Units: **1**
     Unique values: **52**   Missing .: **0/156**

          Examples: **13**   Georgia
                    24   Maryland
                    34   New Jersey
                    46   South Dakota

_____

state_name   **US State**
_____

              Type: String (**str20**)

     Unique values: **52**   Missing "": **0/156**

          Examples: **"Georgia"**
                    "Maryland"
                    "New Jersey"
                    "South Carolina"

          Warning: Variable has embedded blanks.

_____

year   **Year**
_____

              Type: Numeric (**int**)

             Range: [**2017,2019**]   Units: **1**
     Unique values: **3**   Missing .: **0/156**

        Tabulation: Freq. Value
                       52   **2017**
                       52   **2018**
                       52   **2019**

_____

foodinsec_15_17   **Food Insecurity 2015-2017**
_____

              Type: Numeric (**double**)

Range: [**7.4,17.9**]   Units: **.1**
Unique values: **51**   Missing .: **3/156**

Mean: **12.3216**
Std. dev.: **2.3629**

Percentiles: 10%   25%   50%   75%   90%
                9.5   **10.7**   **12.1**   **13.6**   **15**

_____

region_code   **Region**
_____

Type: Numeric (**byte**)
Label: **region_code**

Range: [**1,5**]   Units: **1**
Unique values: **5**   Missing .: **0/156**

Tabulation: Freq.   Numeric Label
            27   **1**   Northeast
            36   **2**   Midwest
            51   **3**   South
            39   **4**   West
             3   **5**   Caribbean

_____

region_name   **Region_name**
_____

Type: String (**str9**)

Unique values: **5**   Missing "": **0/156**

Tabulation: Freq.   Value
             3   **"Caribbean"**
            36   **"Midwest"**
            27   **"Northeast"**
            51   **"South"**
            39   **"West"**

_____

division_code   **Division**
_____

Type: Numeric (**byte**)
Label: **division_code**

Range: [**1,10**]   Units: **1**
Unique values: **10**   Missing .: **0/156**

Examples: **3**   East North Central
          4   West North Central
          6   East South Central
          8   Mountain

_____

division_name   **Division_name**
_____

Type: String (**str18**)

Unique values: **10**   Missing "": **0/156**

Examples: **"Middle Atlantic"**
          "Mountain"
          "Pacific"
          "West North Central"

Warning: Variable has embedded blanks.

---

popestimate   **Resident total population estimate**

                Type: Numeric (**long**)

              Range: [**577601,39512223**]   Units: **1**
      Unique values: **156**   Missing .: **0/156**

                Mean: **6.3e+06**
           Std. dev.: **7.2e+06**

         Percentiles: 10%   25%   50%   75%   90%
                        872868   1.8e+06   4.3e+06   7.4e+06   1.3e+07

---

npopchg   **Change in resident total population**

                Type: Numeric (**long**)

              Range: [**-131932,380863**]   Units: **1**
      Unique values: **156**   Missing .: **0/156**

                Mean: **32597.7**
           Std. dev.: **72183.4**

         Percentiles: 10%   25%   50%   75%   90%
                         -6233   1012   9875   41752.5   103091

---

births   **Births**

                Type: Numeric (**long**)

              Range: [**5537,481943**]   Units: **1**
      Unique values: **156**   Missing .: **0/156**

                Mean: **74282.2**
           Std. dev.: **87170.2**

         Percentiles: 10%   25%   50%   75%   90%
                         10683   20149   52469   85179.5   137982

---

deaths   **Deaths**

                Type: Numeric (**long**)

              Range: [**4463,282520**]   Units: **1**
      Unique values: **156**   Missing .: **0/156**

                Mean: **54721.3**
           Std. dev.: **55831.8**

         Percentiles: 10%   25%   50%   75%   90%
                          7337   15066.5   39691   66625   122177

---

naturalinc   **Natural increase**

                Type: Numeric (**long**)

              Range: [**-8533,216702**]   Units: **1**
      Unique values: **156**   Missing .: **0/156**

                Mean: **19560.9**
           Std. dev.: **36681.9**

Percentiles:	10%	25%	50%	75%	90%
	619	**4426.5**	**9542**	**21874**	**33662**

---

internationalmig   **Net international migration**

Type: Numeric (**long**)

Range: [**-123399,160385**]   Units: **1**
Unique values: **155**   Missing .: **0/156**

Mean: **13036.7**
Std. dev.: **27921.4**

Percentiles:	10%	25%	50%	75%	90%
	454	**1980**	**5155**	**14985**	**32574**

---

domesticmig   **Net domestic migration**

Type: Numeric (**long**)

Range: [**-203414,164257**]   Units: **1**
Unique values: **154**   Missing .: **0/156**

Mean: **0**
Std. dev.: **51603.6**

Percentiles:	10%	25%	50%	75%	90%
	-27406	**-11922.5**	**-884.5**	**12487.5**	**49680**

---

netmig   **Net migration**

Type: Numeric (**long**)

Range: [**-134896,324642**]   Units: **1**
Unique values: **156**   Missing .: **0/156**

Mean: **13036.7**
Std. dev.: **58556.5**

Percentiles:	10%	25%	50%	75%	90%
	-23005	**-5450.5**	**3930**	**21504**	**61579**

---

residual   **Residual**

Type: Numeric (**int**)

Range: [**-628,829**]   Units: **1**
Unique values: **122**   Missing .: **0/156**

Mean: **0**
Std. dev.: **202.399**

Percentiles:	10%	25%	50%	75%	90%
	-180	**-65.5**	**-12**	**44**	**199**

---

rbirth   **Birth rate**

Type: Numeric (**float**)

Range: [**6.7098289,16.201117**]   Units: **1.000e-07**
Unique values: **156**   Missing .: **0/156**

Mean: **11.6962**
Std. dev.: **1.46082**

Percentiles: 10%   25%   50%   75%   90%
9.94234   11.0285   11.7664   12.3505   13.5095

---

rdeath   **Death rate**

Type: Numeric (**float**)

Range: [**5.4856443,12.687407**]   Units: **1.000e-07**
Unique values: **156**   Missing .: **0/156**

Mean: **8.95193**
Std. dev.: **1.28007**

Percentiles: 10%   25%   50%   75%   90%
7.44249   8.18439   8.85027   9.81843   10.5615

---

rnaturalinc   **Natural increase rate**

Type: Numeric (**float**)

Range: [**-2.6180308,10.385957**]   Units: **1.000e-09**
Unique values: **156**   Missing .: **0/156**

Mean: **2.74431**
Std. dev.: **2.30905**

Percentiles: 10%   25%   50%   75%   90%
.136781   1.42431   2.65644   3.96639   5.42317

---

rinternationalmig   **Net international migration rate**

Type: Numeric (**float**)

Range: [**-37.860352,7.715066**]   Units: **1.000e-09**
Unique values: **156**   Missing .: **0/156**

Mean: **1.40396**
Std. dev.:   **4.0078**

Percentiles: 10%   25%   50%   75%   90%
.302427   .795378   1.41762   2.42489   3.76098

---

rdomesticmig   **Net domestic migration rate**

Type: Numeric (**float**)

Range: [**-14.587355,15.890627**]   Units: **1.000e-09**
Unique values: **154**   Missing .: **0/156**

Mean: **.243851**
Std. dev.:   **6.10404**

Percentiles: 10%   25%   50%   75%   90%
-6.63475 -3.67957 -.315936   4.80245   7.90132

---

rnetmig   **Net migration rate**

Type: Numeric (**float**)

```
         Range: [-37.860352,15.616388]       Units: 1.000e-09
 Unique values: 156                    Missing .: 0/156

          Mean:  1.64781
     Std. dev.:  7.06836

   Percentiles:      10%       25%       50%       75%       90%
                -5.72574  -1.57508   .889405   6.52458   10.8789
```

_____

percap_real_inc   **Real per capita income**

```
          Type: Numeric (float)

         Range: [40794,67277]                  Units: 1
 Unique values: 153                    Missing .: 3/156

          Mean: 50380.1
     Std. dev.: 5421.38

   Percentiles:      10%       25%       50%       75%       90%
                   43897     46775     49640     53596     56194
```

_____

employment_10   **Total employment**

```
          Type: Numeric (long)

         Range: [398915,24602061]              Units: 1
 Unique values: 153                    Missing .: 3/156

          Mean: 3.9e+06
     Std. dev.: 4.4e+06

   Percentiles:      10%       25%       50%       75%       90%
                  606694    932230   2.6e+06   4.8e+06   7.8e+06
```

_____

employment_20   **Wage and salary employment**

```
          Type: Numeric (long)

         Range: [289146,18598619]              Units: 1
 Unique values: 153                    Missing .: 3/156

          Mean: 3.0e+06
     Std. dev.: 3.4e+06

   Percentiles:      10%       25%       50%       75%       90%
                  467019    794280   2.0e+06   3.7e+06   6.2e+06
```

_____

employment_40   **Proprietors employment**

```
          Type: Numeric (long)

         Range: [98472,6003442]                Units: 1
 Unique values: 153                    Missing .: 3/156

          Mean:  900188
     Std. dev.: 1.1e+06

   Percentiles:      10%       25%       50%       75%       90%
                  127046    209289    591068   1.1e+06   1.6e+06
```

---

employment_50   **Farm proprietors employment**

          Type: Numeric (**long**)

         Range: [**0,225017**]   Units: **1**
Unique values: **147**   Missing .: **3/156**

          Mean: **35176.5**
     Std. dev.: **34949.4**

   Percentiles: 10%   25%   50%   75%   90%
                    3851   **10669**   **30605**   **49028**   **68578**

---

employment_60   **Nonfarm proprietors employment**

          Type: Numeric (**long**)

         Range: [**97606,5945806**]   Units: **1**
Unique values: **153**   Missing .: **3/156**

          Mean: **865012**
     Std. dev.: **1.1e+06**

   Percentiles: 10%   25%   50%   75%   90%
                  116813   **205438**   **557912**   **1.0e+06**   **1.5e+06**

---

employment_70   **Farm employment**

          Type: Numeric (**long**)

         Range: [**0,273634**]   Units: **1**
Unique values: **151**   Missing .: **3/156**

          Mean: **51163.4**
     Std. dev.: **49794.3**

   Percentiles: 10%   25%   50%   75%   90%
                    5171   **17688**   **43552**   **73362**   **86259**

---

employment_80   **Nonfarm employment**

          Type: Numeric (**long**)

         Range: [**383974,24363469**]   Units: **1**
Unique values: **153**   Missing .: **3/156**

          Mean: **3.9e+06**
     Std. dev.: **4.4e+06**

   Percentiles: 10%   25%   50%   75%   90%
                  585959   **923009**   **2.5e+06**   **4.8e+06**   **7.7e+06**

---

employment_90   **Private nonfarm employment**

          Type: Numeric (**long**)

         Range: [**309057,21525859**]   Units: **1**
Unique values: **153**   Missing .: **3/156**

          Mean: **3.4e+06**
     Std. dev.: **3.9e+06**

Percentiles:	10%	25%	50%	75%	90%
	507320	805303	2.2e+06	4.3e+06	6.9e+06

---

employment_100   **Forestry, fishing, and related activities**

Type: Numeric (**long**)

Range: [**84,261864**]   Units: **1**
Unique values: **146**   Missing .: **10/156**

Mean: **19679.4**
Std. dev.: **36830.6**

Percentiles:	10%	25%	50%	75%	90%
	3191	6666	13492	16268	32393

---

employment_200   **Mining, quarrying, and oil and gas extraction**

Type: Numeric (**long**)

Range: [**252,453294**]   Units: **1**
Unique values: **147**   Missing .: **9/156**

Mean: **24661.6**
Std. dev.: **61032.5**

Percentiles:	10%	25%	50%	75%	90%
	1533	4060	10256	23361	42681

---

employment_300   **Utilities**

Type: Numeric (**long**)

Range: [**1231,61856**]   Units: **1**
Unique values: **153**   Missing .: **3/156**

Mean: **11498.7**
Std. dev.: **12340.9**

Percentiles:	10%	25%	50%	75%	90%
	2116	3884	8018	13673	25144

---

employment_400   **Construction**

Type: Numeric (**long**)

Range: [**17961,1250873**]   Units: **1**
Unique values: **151**   Missing .: **5/156**

Mean: **217081**
Std. dev.: **246735**

Percentiles:	10%	25%	50%	75%	90%
	33332	62068	142525	262833	374764

---

employment_500   **Manufacturing**

Type: Numeric (**long**)

Range: [**2154,1425642**]   Units: **1**
Unique values: **150**   Missing .: **5/156**

```
              Mean: 266488
         Std. dev.: 270520

       Percentiles:      10%        25%        50%        75%        90%
                       27705      58297     173845     366623     600739
```

___

employment_600   **Wholesale trade**
___

```
              Type: Numeric (long)

             Range: [5497,807260]              Units: 1
     Unique values: 153                 Missing .: 3/156

              Mean: 127326
         Std. dev.: 153187

       Percentiles:      10%        25%        50%        75%        90%
                       18270      25568      80278     139243     257132
```

___

employment_700   **Retail trade**
___

```
              Type: Numeric (long)

             Range: [26774,2092123]           Units: 1
     Unique values: 153                 Missing .: 3/156

              Mean: 376925
         Std. dev.: 403494

       Percentiles:      10%        25%        50%        75%        90%
                       57633     111466     260492     463324     721961
```

___

employment_800   **Transportation and warehousing**
___

```
              Type: Numeric (long)

             Range: [9164,1219163]            Units: 1
     Unique values: 153                 Missing .: 3/156

              Mean: 168387
         Std. dev.: 209430

       Percentiles:      10%        25%        50%        75%        90%
                       19986      30847     100771     192199     390380
```

___

employment_900   **Information**
___

```
              Type: Numeric (long)

             Range: [4594,645770]              Units: 1
     Unique values: 153                 Missing .: 3/156

              Mean: 67286.3
         Std. dev.:  101132

       Percentiles:      10%        25%        50%        75%        90%
                        7082      14340      34991      85664     139313
```

___

employment_1000   **Finance and insurance**
___

```
              Type: Numeric (long)
```

Range: [**11347,1127472**]   Units: **1**
Unique values: **153**   Missing .: **3/156**

Mean: **208286**
Std. dev.: **250492**

Percentiles: 10%   25%   50%   75%   90%
                27717   **42573**   **119715**   **243102**   **430389**

---

employment_1100   **Real estate and rental and leasing**

Type: Numeric (**long**)

Range: [**15929,1251248**]   Units: **1**
Unique values: **153**   Missing .: **3/156**

Mean: **186332**
Std. dev.: **230260**

Percentiles: 10%   25%   50%   75%   90%
                26635   **43035**   **120168**   **226255**   **328864**

---

employment_1200   **Professional, scientific, and technical services**

Type: Numeric (**long**)

Range: [**17545,2154279**]   Units: **1**
Unique values: **153**   Missing .: **3/156**

Mean: **280239**
Std. dev.: **363322**

Percentiles: 10%   25%   50%   75%   90%
                37509   **63707**   **159330**   **377636**   **578468**

---

employment_1300   **Management of companies and enterprises**

Type: Numeric (**long**)

Range: [**1653,288961**]   Units: **1**
Unique values: **153**   Missing .: **3/156**

Mean: **52807.8**
Std. dev.: **57639.3**

Percentiles: 10%   25%   50%   75%   90%
                 4110   **10597**   **31453**   **76598**   **147495**

---

employment_1400
         Administrative and support and waste management and remediation services

---

Type: Numeric (**long**)

Range: [**13636,1544512**]   Units: **1**
Unique values: **153**   Missing .: **3/156**

Mean: **243535**
Std. dev.: **294505**

Percentiles: 10%   25%   50%   75%   90%
                25285   **57322**   **155475**   **311878**   **516832**

---

employment_1500   **Educational services**

          Type: Numeric (**long**)

         Range: [**4087,556247**]   Units: **1**
Unique values: **153**   Missing .: **3/156**

          Mean: **93328.8**
     Std. dev.: **112821**

     Percentiles: 10%   25%   50%   75%   90%
                     10122   **22553**   **57097**   **107720**   **242293**

---

employment_1600   **Health care and social assistance**

          Type: Numeric (**long**)

         Range: [**30042,2797215**]   Units: **1**
Unique values: **153**   Missing .: **3/156**

          Mean: **444112**
     Std. dev.: **509570**

     Percentiles: 10%   25%   50%   75%   90%
                     74665   **118985**   **275671**   **512762**   **912213**

---

employment_1700   **Arts, entertainment, and recreation**

          Type: Numeric (**long**)

         Range: [**8050,712728**]   Units: **1**
Unique values: **153**   Missing .: **3/156**

          Mean: **91871.9**
     Std. dev.: **117794**

     Percentiles: 10%   25%   50%   75%   90%
                     14561   **23040**   **56137**   **111565**   **174207**

---

employment_1800   **Accommodation and food services**

          Type: Numeric (**long**)

         Range: [**35503,1869267**]   Units: **1**
Unique values: **153**   Missing .: **3/156**

          Mean: **294753**
     Std. dev.: **336361**

     Percentiles: 10%   25%   50%   75%   90%
                     44997   **76680**   **203808**   **334440**   **523311**

---

employment_1900   **Other services (except government and government enterprises)**

          Type: Numeric (**long**)

         Range: [**17726,1497926**]   Units: **1**
Unique values: **153**   Missing .: **3/156**

          Mean: **224449**
     Std. dev.: **268182**

Percentiles:	10%	25%	50%	75%	90%
	30059	**52910**	**135281**	**253722**	**438238**

---

employment_2000   **Government and government enterprises**

Type: Numeric (**long**)

Range: [**57902,2837610**]   Units: **1**
Unique values: **153**   Missing .: **3/156**

Mean: **481856**
Std. dev.: **504520**

Percentiles:	10%	25%	50%	75%	90%
	88428	**175738**	**359142**	**611198**	**875355**

---

employment_2001   **Federal civilian**

Type: Numeric (**long**)

Range: [**5692,248875**]   Units: **1**
Unique values: **153**   Missing .: **3/156**

Mean: **56111.1**
Std. dev.: **57346.8**

Percentiles:	10%	25%	50%	75%	90%
	10906	**17775**	**34305**	**72412**	**143148**

---

employment_2002   **Military**

Type: Numeric (**long**)

Range: [**3953,206293**]   Units: **1**
Unique values: **153**   Missing .: **3/156**

Mean: **37902**
Std. dev.: **42353.9**

Percentiles:	10%	25%	50%	75%	90%
	7785	**11872**	**20608**	**44445**	**90775**

---

employment_2010   **State and local**

Type: Numeric (**long**)

Range: [**41349,2384397**]   Units: **1**
Unique values: **153**   Missing .: **3/156**

Mean: **387843**
Std. dev.: **423279**

Percentiles:	10%	25%	50%	75%	90%
	61699	**114765**	**287077**	**500704**	**698228**

---

employment_2011   **State government**

Type: Numeric (**long**)

Range: [**0,563115**]   Units: **1**
Unique values: **151**   Missing .: **3/156**

           Mean: **105954**
      Std. dev.: **96608.8**

     Percentiles: 10%   25%   50%   75%   90%
                       23386   **34448**   **81984**   **140088**   **191833**

---

employment_2012   **Local government**

           Type: Numeric (**long**)

          Range: [**19262,1821282**]   Units: **1**
  Unique values: **153**   Missing .: **3/156**

           Mean: **281889**
      Std. dev.: **329534**

     Percentiles: 10%   25%   50%   75%   90%
                       41349   **70959**   **211849**   **350148**   **520111**

---

povrate15   **Poverty rate 2015**

           Type: Numeric (**double**)

          Range: [**9.6125,25.22439**]   Units: **1.000e-08**
  Unique values: **51**   Missing .: **3/156**

           Mean: **15.3137**
      Std. dev.: **3.88638**

     Percentiles: 10%   25%   50%   75%   90%
                      10.7241   **11.8667**   **14.5875**   **18.397**   **21.1758**

---

childpovrate15   **Child poverty rate 2015**

           Type: Numeric (**double**)

          Range: [**13.1375,35.652439**]   Units: **1.000e-07**
  Unique values: **51**   Missing .: **3/156**

           Mean: **21.7849**
      Std. dev.: **5.88606**

     Percentiles: 10%   25%   50%   75%   90%
                      14.6345   **16.7**   **20.5812**   **27.2761**   **30.4043**

2 . log close
       name: **<unnamed>**
        log: **C:\Users\NXDin\GitHub\STRIDES-Codes\A-Way-Out\Data_Process\DinhNguyen/DAT**
  > ATEMP/data_usa_demo.scml
   log type: **smcl**
  closed on: **24 Jun 2021, 15:35:42**