STaTa

Statistics/Data analysis

_____

```
     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, 15:38:03
```

1 . sysuse auto
(1978 Automobile Data)

2 . codebook

_____

make   **Make and Model**
_____

```
            type:  string (str18), but longest is str17

   unique values:  74                         missing "":  0/74

        examples:  "Cad. Deville"
                   "Dodge Magnum"
                   "Merc. XR-7"
                   "Pont. Catalina"

         warning:  variable has embedded blanks
```

_____

price   **Price**
_____

```
            type:  numeric (int)

           range:  [3291,15906]                 units:  1
   unique values:  74                        missing .:  0/74

            mean:  6165.26
       std. dev:  2949.5

     percentiles:        10%       25%       50%       75%       90%
                        3895      4195    5006.5      6342     11385
```

_____

mpg   **Mileage (mpg)**
_____

```
            type:  numeric (int)

           range:  [12,41]                       units:  1
   unique values:  21                        missing .:  0/74

            mean:  21.2973
       std. dev:  5.7855

     percentiles:        10%       25%       50%       75%       90%
                         14        18        20        25        29
```

_____

rep78   **Repair Record 1978**
_____

```
            type:  numeric (int)

           range:  [1,5]                         units:  1
   unique values:  5                         missing .:  5/74
```

```
         tabulation:  Freq.  Value
                         2   1
                         8   2
                        30   3
                        18   4
                        11   5
                         5   .
```

---

headroom   **Headroom (in.)**

```
              type:  numeric (float)

             range:  [1.5,5]                        units:  .1
     unique values:  8                          missing .:  0/74

         tabulation:  Freq.   Value
                         4   1.5
                        13   2
                        14   2.5
                        13   3
                        15   3.5
                        10   4
                         4   4.5
                         1   5
```

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trunk   **Trunk space (cu. ft.)**

```
              type:  numeric (int)

             range:  [5,23]                         units:  1
     unique values:  18                         missing .:  0/74

              mean:  13.7568
          std. dev:  4.2774

       percentiles:        10%      25%      50%      75%      90%
                             8       10       14       17       20
```

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weight   **Weight (lbs.)**

```
              type:  numeric (int)

             range:  [1760,4840]                    units:  10
     unique values:  64                         missing .:  0/74

              mean:  3019.46
          std. dev:  777.194

       percentiles:        10%      25%      50%      75%      90%
                          2020     2240     3190     3600     4060
```

---

length   **Length (in.)**

```
              type:  numeric (int)

             range:  [142,233]                      units:  1
     unique values:  47                         missing .:  0/74

              mean:  187.932
          std. dev:  22.2663

       percentiles:        10%      25%      50%      75%      90%
                           157      170    192.5      204      218
```

---

turn   **Turn Circle (ft.)**

---

type:	numeric (**int**)				
range:	[**31,51**]		units:	**1**	
unique values:	**18**		missing .:	**0/74**	
mean:	**39.6486**				
std. dev:	**4.39935**				
percentiles:	10%	25%	50%	75%	90%
	34	**36**	**40**	**43**	**45**

---

displacement   **Displacement (cu. in.)**

---

type:	numeric (**int**)				
range:	[**79,425**]		units:	**1**	
unique values:	**31**		missing .:	**0/74**	
mean:	**197.297**				
std. dev:	**91.8372**				
percentiles:	10%	25%	50%	75%	90%
	97	**119**	**196**	**250**	**350**

---

gear_ratio   **Gear Ratio**

---

type:	numeric (**float**)				
range:	[**2.19,3.89**]		units:	**.01**	
unique values:	**36**		missing .:	**0/74**	
mean:	**3.01486**				
std. dev:	**.456287**				
percentiles:	10%	25%	50%	75%	90%
	2.43	**2.73**	**2.955**	**3.37**	**3.72**

---

foreign   **Car type**

---

type:	numeric (**byte**)
label:	**origin**

range:	[**0,1**]	units:	**1**
unique values:	**2**	missing .:	**0/74**

tabulation:	Freq.	Numeric	Label
	52	**0**	Domestic
	22	**1**	Foreign

```
3 . 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, 15:38:03
```