Stata
Statistics/Data Analysis

```
1 . clear

2 .
3 . /*
  >   Back to Fan's Stata4Econ or other repositories:
  >   - http://fanwangecon.github.io
  >   - http://fanwangecon.github.io/Stata4Econ
  >   - http://fanwangecon.github.io/R4Econ
  >   - http://fanwangecon.github.io/M4Econ
  >   - http://fanwangecon.github.io/CodeDynaAsset/
  >   - http://fanwangecon.github.io/Math4Econ/
  >   - http://fanwangecon.github.io/Stat4Econ/
  >   - http://fanwangecon.github.io/Tex4Econ
  >
  >   1. Install log2html
  >   2. Test log2html
  > */
4 .
5 . ///--- Install log2html
  > ssc install log2html
  checking log2html consistency and verifying not already installed...
  all files already exist and are up to date.

6 .
7 . ///--- Start log
  > set more off

8 . capture log close

9 .
10. cd "${root_log}"
  C:\Users\fan\Documents\Dropbox (UH-ECON)\Project Emily Minority Survey\Code

11. global curlogfile "~\Stata4Econ\output\log\fs_log2html"

12. log using "${curlogfile}" , replace
  (note: file C:\Users\fan\Stata4Econ\output\log\fs_log2html.smcl not found)
─────────────────────────────────────────────────────────────────────────────
       name:  <unnamed>
        log:  C:\Users\fan\Stata4Econ\output\log\fs_log2html.smcl
   log type:  smcl
  opened on:   1 Aug 2019, 21:22:11

13. log on
  (log already on)

14.
15. ///--- log Contents
  > set more off

16. sysuse auto, clear
  (1978 Automobile Data)

17.
18. ///--- Vars to Show
  >
19. #delimit ;
  delimiter now ;
20. global st_ids_etc "
  >                        make
  >                        foreign
  >                        ";
```

```
21. global st_outcomes "
  >                       displacement
  >                       weight length
  >                       ";

22. global st_inputs "
  >                       trunk headroom
  >                       price
  >                       turn
  >                       ";

23. #delimit cr
  delimiter now cr
24.
25. ///--- Describe Vars
  > d $st_ids_etc
```

| | storage | display | value | |
variable name	type	format	label	variable label
make	str18	%-18s		**Make and Model**
foreign	byte	%8.0g	origin	**Car type**

```
26. d $st_outcomes
```

| | storage | display | value | |
variable name	type	format	label	variable label
displacement	int	%8.0g		**Displacement (cu. in.)**
weight	int	%8.0gc		**Weight (lbs.)**
length	int	%8.0g		**Length (in.)**

```
27. d $st_inputs
```

| | storage | display | value | |
variable name	type	format	label	variable label
trunk	int	%8.0g		**Trunk space (cu. ft.)**
headroom	float	%6.1f		**Headroom (in.)**
price	int	%8.0gc		**Price**
turn	int	%8.0g		**Turn Circle (ft.)**

```
28.
29. ///--- Summ Vars
  > summ $st_ids_etc
```

Variable	Obs	Mean	Std. Dev.	Min	Max
make	0				
foreign	74	.2972973	.4601885	0	1

```
30. summ $st_outcomes
```

Variable	Obs	Mean	Std. Dev.	Min	Max
displacement	74	197.2973	91.83722	79	425
weight	74	3019.459	777.1936	1760	4840
length	74	187.9324	22.26634	142	233

```
31. summ $st_inputs
```

Variable	Obs	Mean	Std. Dev.	Min	Max
trunk	74	13.75676	4.277404	5	23
headroom	74	2.993243	.8459948	1.5	5
price	74	6165.257	2949.496	3291	15906
turn	74	39.64865	4.399354	31	51

```
 32.
 33. bys foreign (price): list ///
   >          $st_ids_etc ///
   >          $st_outcomes ///
   >          $st_inputs
```

-> foreign = Domestic

	make	foreign	displa~t	weight	length	trunk	headroom	price	turn
1.	Merc. Zephyr	Domestic	140	2,830	195	17	3.5	3,291	43
2.	Chev. Chevette	Domestic	231	2,110	163	9	2.5	3,299	34
3.	Chev. Monza	Domestic	151	2,750	179	7	2.0	3,667	40
4.	AMC Spirit	Domestic	121	2,640	168	12	3.0	3,799	35
5.	Merc. Bobcat	Domestic	140	2,580	169	9	3.0	3,829	39
6.	Chev. Nova	Domestic	250	3,430	197	13	3.5	3,955	43
7.	Dodge Colt	Domestic	98	2,120	163	8	2.0	3,984	35
8.	Dodge Diplomat	Domestic	318	3,600	206	17	4.0	4,010	46
9.	Plym. Volare	Domestic	225	3,330	201	16	5.0	4,060	44
10.	Buick Skylark	Domestic	231	3,400	200	13	3.5	4,082	42
11.	AMC Concord	Domestic	121	2,930	186	11	2.5	4,099	40
12.	Pont. Sunbird	Domestic	151	2,690	179	7	2.0	4,172	41
13.	Olds Omega	Domestic	231	3,370	200	14	4.5	4,181	43
14.	Ford Mustang	Domestic	140	2,650	179	10	2.0	4,187	43
15.	Olds Starfire	Domestic	151	2,730	180	10	2.0	4,195	40
16.	Ford Fiesta	Domestic	98	1,800	147	9	1.5	4,389	33
17.	Pont. Phoenix	Domestic	231	3,420	203	13	3.5	4,424	43
18.	Plym. Champ	Domestic	86	1,800	157	11	2.5	4,425	37
19.	Buick Opel	Domestic	304	2,230	170	10	3.0	4,453	34
20.	Plym. Horizon	Domestic	105	2,200	165	17	4.0	4,482	36
21.	Chev. Malibu	Domestic	200	3,180	193	17	3.5	4,504	31
22.	Merc. Monarch	Domestic	250	3,370	198	15	3.0	4,516	41
23.	Plym. Arrow	Domestic	156	3,260	170	11	2.0	4,647	37
24.	Pont. Le Mans	Domestic	231	3,200	199	17	3.5	4,723	40
25.	Olds Cutlass	Domestic	231	3,300	198	16	4.5	4,733	42
26.	AMC Pacer	Domestic	258	3,350	173	11	3.0	4,749	40
27.	Buick Century	Domestic	196	3,250	196	16	4.5	4,816	40
28.	Olds Delta 88	Domestic	231	3,690	218	20	4.0	4,890	42
29.	Pont. Firebird	Domestic	231	3,470	198	7	1.5	4,934	42
30.	Chev. Monte Carlo	Domestic	200	3,220	200	16	2.0	5,104	41
31.	Olds Cutl Supr	Domestic	231	3,310	198	16	2.0	5,172	42
32.	Buick Regal	Domestic	196	3,280	200	16	2.0	5,189	42
33.	Pont. Grand Prix	Domestic	231	3,210	201	16	2.0	5,222	45
34.	Merc. Cougar	Domestic	302	4,060	221	16	3.5	5,379	48
35.	Chev. Impala	Domestic	250	3,690	212	20	4.0	5,705	43
36.	Buick LeSabre	Domestic	231	3,670	218	21	4.0	5,788	43
37.	Pont. Catalina	Domestic	231	3,700	214	20	4.0	5,798	42
38.	Dodge Magnum	Domestic	318	3,600	206	17	4.0	5,886	46
39.	Merc. Marquis	Domestic	302	3,720	212	23	3.5	6,165	44
40.	Merc. XR-7	Domestic	302	4,130	217	16	3.0	6,303	45
41.	Dodge St. Regis	Domestic	225	3,740	220	21	4.5	6,342	46
42.	Plym. Sapporo	Domestic	119	2,520	182	8	1.5	6,486	38
43.	Buick Electra	Domestic	350	4,080	222	20	4.0	7,827	43
44.	Olds 98	Domestic	350	4,060	220	20	4.0	8,814	43
45.	Olds Toronado	Domestic	350	4,030	206	17	3.5	10,371	43
46.	Buick Riviera	Domestic	231	3,880	207	17	3.5	10,372	43
47.	Cad. Deville	Domestic	425	4,330	221	20	4.0	11,385	44
48.	Linc. Continental	Domestic	400	4,840	233	22	3.5	11,497	51
49.	Linc. Versailles	Domestic	302	3,830	201	15	3.5	13,466	41
50.	Linc. Mark V	Domestic	400	4,720	230	18	2.5	13,594	48

51.	Cad. Eldorado	Domestic	350	3,900	204	16	3.5	14,500	43
52.	Cad. Seville	Domestic	350	4,290	204	13	3.0	15,906	45

-> foreign = Foreign

	make	foreign	displa~t	weight	length	trunk	headroom	price	turn
1.	Toyota Corolla	Foreign	97	2,200	165	9	3.0	3,748	35
2.	Subaru	Foreign	97	2,050	164	11	2.5	3,798	36
3.	Renault Le Car	Foreign	79	1,830	142	10	3.0	3,895	34
4.	Mazda GLC	Foreign	86	1,980	154	11	3.5	3,995	33
5.	Fiat Strada	Foreign	105	2,130	161	16	2.5	4,296	36
6.	Honda Civic	Foreign	91	1,760	149	5	2.5	4,499	34
7.	Datsun 210	Foreign	85	2,020	165	8	2.0	4,589	32
8.	VW Rabbit	Foreign	89	1,930	155	15	3.0	4,697	35
9.	Datsun 510	Foreign	119	2,280	170	8	2.5	5,079	34
10.	VW Diesel	Foreign	90	2,040	155	15	3.0	5,397	35
11.	Toyota Corona	Foreign	134	2,670	175	11	2.0	5,719	36
12.	Honda Accord	Foreign	107	2,240	172	10	3.0	5,799	36
13.	Toyota Celica	Foreign	134	2,410	174	14	2.5	5,899	36
14.	Datsun 200	Foreign	119	2,370	170	6	1.5	6,229	35
15.	Audi Fox	Foreign	97	2,070	174	11	2.5	6,295	36
16.	VW Scirocco	Foreign	97	1,990	156	16	2.0	6,850	36
17.	VW Dasher	Foreign	97	2,160	172	12	2.5	7,140	36
18.	Datsun 810	Foreign	146	2,750	184	8	2.5	8,129	38
19.	Audi 5000	Foreign	131	2,830	189	15	3.0	9,690	37
20.	BMW 320i	Foreign	121	2,650	177	12	2.5	9,735	34
21.	Volvo 260	Foreign	163	3,170	193	14	2.5	11,995	37
22.	Peugeot 604	Foreign	163	3,420	192	14	3.5	12,990	38

```
34.
35. ///--- End Log and to HTML
  > log close
       name:  <unnamed>
        log:  C:\Users\fan\Stata4Econ\output\log\fs_log2html.smcl
   log type:  smcl
   closed on:    1 Aug 2019, 21:22:11
```

```
36. capture noisily {
37.    log2html "${curlogfile}", replace

   HTML log file ~\Stata4Econ\output\log\fs_log2html.html created
38. }
```

```
39. capture noisily {
40.    erase "${curlogfile}.smcl"
41. }
```

```
42.
43. ///--- to PDF
  > capture noisily {
44.        translate @Results "${curlogfile}.pdf", replace translator(Results2pdf)
```