## Exercise 1

Open the 1978 Automobile Data and summarize the variables.

- . sysuse auto (1978 Automobile Data)
- . summarize

Variable	Obs	Mean	Std. Dev.	Min	Max
make	0				
price	74	6165.257	2949.496	3291	15906
mpg	74	21.2973	5.785503	12	41
rep78	69	3.405797	.9899323	1	5
headroom	74	2.993243	.8459948	1.5	5
trunk	74	13.75676	4.277404	5	23
weight	74	3019.459	777.1936	1760	4840
length	74	187.9324	22.26634	142	233
turn	74	39.64865	4.399354	31	51
displacement	74	197.2973	91.83722	79	425
gear_ratio	74	3.014865	.4562871	2.19	3.89
foreign	74	.2972973	.4601885	0	1

## Exercise 2

Run a regression of price on milage and weight.

. regress price mpg weight

Source	SS	df	MS		er of obs	=	74
Model Residual	186321280 448744116	2 71	93160639. 6320339.6	7 R-sq	> F uared	= = =	14.74 0.0000 0.2934
Total	635065396	73	8699525.9		R-squared MSE	=	0.2735 2514
price	Coef.	Std. Err.	t	P> t	[95% Cont	f.	Interval]
mpg weight _cons	-49.51222 1.746559 1946.069	86.15604 .6413538 3597.05	-0.57 2.72 0.54	0.567 0.008 0.590	-221.3025 .467736 -5226.245		122.278 3.025382 9118.382