

```

name: <unnamed>
log: /Users/Brad/Documents/Statistics Stuff/Stata/Bootstrap Methods/C1
> ass example.smcl
log type: smcl
opened on: 17 Aug 2009, 19:17:16

```

```
1 . use "/Users/Brad/Documents/Statistics Stuff/Stata/Bootstrap Methods/Random T
> rials.dta"
```

```
2 . histogram chi
(bin=29, start=1.6486578, width=.91812591)
```

```
3 . kdensity chi, normal
```

```
4 . robmean chi
```

```
.2 highest and lowest cases trimmed or winsorized
```

chi	Obs	Estimate	Std. Dev.	Min	Max
mean	1000	10.0707	4.4770	1.6486578	28.27431
median	1000	9.5728			
trimmed	600	9.5949	2.0064	6.3407726	13.44321
winsorized	1000	9.7137	2.7358	6.3407726	13.44321
huber 1-step	797	9.7243		4.0573692	15.08514
mod 1-step	797	9.2052	2.7872	4.0573692	15.08514
multi-step	1000	9.7237		1.6486578	28.27431

```
5 . bootstrap (location: mean=r(mean)) (scale: sd=r(sd)), reps(5000) size(4) nod
> ots nodrop nowarn : summarize chi, detail
```

```
Bootstrap results                                Number of obs    =    1000
                                                Replications    =    5000
```

```
command: summarize chi, detail
[location]mean: r(mean)
[scale]sd: r(sd)
```

	Observed Coef.	Bootstrap Std. Err.	z	P> z	Normal-based [95% Conf. Interval]	
location						
mean	10.07074	2.241087	4.49	0.000	5.67829	14.46319
scale						
sd	4.476984	1.882682	2.38	0.017	.786996	8.166973

```
6 .
```

```
7 . bootstrap (location: mean=r(mean)) (scale: sd=r(sd)), reps(5000) size(100) n
> odots nodrop nowarn saving(/Users/Brad/Desktop/mybs): summarize chi, detail
```

```

Bootstrap results                                Number of obs    =    1000
                                                Replications    =    5000

```

```

command: summarize chi, detail
[location]mean:  r(mean)
[scale]sd:       r(sd)

```

	Observed Coef.	Bootstrap Std. Err.	z	P> z	Normal-based [95% Conf. Interval]	
location mean	10.07074	.4454143	22.61	0.000	9.197744	10.94374
scale sd	4.476984	.3730365	12.00	0.000	3.745846	5.208123

```

8 . use "/Users/Brad/Desktop/mybs.dta", clear
   (bootstrap: summarize)

9 . histogram location_mean
   (bin=36, start=8.5416574, width=.09166254)

10 . use "/Users/Brad/Documents/Statistics Stuff/Stata/Bootstrap Methods/Random T
    > rials.dta", clear

11 . histogram runi
    (bin=29, start=.00070969, width=.03439119)

12 . robmean runi

```

```
.2 highest and lowest cases trimmed or winsorized
```

runi	Obs	Estimate	Std. Dev.	Min	Max
mean	1000	0.5019	0.2919	.00070969	.9980542
median	1000	0.5237			
trimmed	600	0.5032	0.1821	.19727118	.8105311
winsorized	1000	0.5035	0.2399	.19727118	.8105311
huber 1-step	966	0.5018		.033332	.9980542
mod 1-step	966	0.5191	0.2821	.033332	.9980542
multi-step	1000	0.5023		.00070969	.9980542

```

13 . bootstrap (location: mean=r(mean)) (scale: sd=r(sd)), reps(5000) size(9) nod
    > ots nodrop nowarn saving(/Users/Brad/Desktop/mybs2): summarize runi, detail

```

```

Bootstrap results                                Number of obs    =    1000
                                                Replications    =    5000

```

```

command: summarize runi, detail
[location]mean:  r(mean)

```

[scale]sd: r(sd)

	Observed Coef.	Bootstrap Std. Err.	z	P> z	Normal-based [95% Conf. Interval]	
location mean	.5019275	.0985779	5.09	0.000	.3087183	.6951367
scale sd	.291899	.050049	5.83	0.000	.1938048	.3899932

```

14 . use "/Users/Brad/Desktop/mybs2.dta", clear
    (bootstrap: summarize)

15 . histogram location_mean
    (bin=36, start=.12688808, width=.02061318)

16 . use "/Users/Brad/Documents/Statistics Stuff/Stata/Bootstrap Methods/Random T
    > rials.dta", clear

17 . bootstrap (location: mean=r(mean)) (scale: sd=r(sd)), reps(5000) size(400) n
    > odots nodrop nowarn saving(/Users/Brad/Desktop/mybs3): summarize runi, detai
    > l

```

```

Bootstrap results                Number of obs    =    1000
                                Replications      =    5000

```

```

command: summarize runi, detail
[location]mean: r(mean)
[scale]sd: r(sd)

```

	Observed Coef.	Bootstrap Std. Err.	z	P> z	Normal-based [95% Conf. Interval]	
location mean	.5019275	.0147177	34.10	0.000	.4730813	.5307737
scale sd	.291899	.0064374	45.34	0.000	.2792819	.3045161

```

18 . use "/Users/Brad/Desktop/mybs3.dta", clear
    (bootstrap: summarize)

19 . histogram location_mean
    (bin=36, start=.44978857, width=.00303091)

20 . log close
    name: <unnamed>
    log: /Users/Brad/Documents/Statistics Stuff/Stata/Bootstrap Methods/C1
    > ass example.smcl

```

log type: **smcl**
closed on: **17 Aug 2009, 19:24:57**