
name: <unnamed>

log: /Users/yushujiang/Desktop/EC0220/Labs/Problemset5/Analysis/jiang_ps5.

> log

log type: text

opened on: 5 Nov 2018, 21:43:36

sum pdi

Variable	0bs	Mean	Std. Dev.	Min	Max
pdi	143	94.78322	15.85104	 50	134

. ztest pdi=100, sd(15.85104)

One-sample z test

Variable	•	Mean	Std. Err.	Std. Dev.	[95% Conf.	Interval]
	•	94.78322	1.325531	15.85104	92.18522	97.38121
mean :	= mean(pdi)				Z :	= -3 . 9356

Ho: mean = 100

. ztesti 143 94.78322 15.85104 100, level(99.9)

One-sample z test

	0bs	Mean	Std. Err.	Std. Dev.	[99.9% Conf.	Interval]
X	143	94.78322	1.325531	15.85104	90.42153	99.14491

mean = mean(x)
Ho: mean = 100

z = -3.9356

Ha: mean < 100

Pr(Z < z) = 0.0000

Ha: mean != 100 Pr(|Z| > |z|) = 0.0001 Ha: mean > 100 Pr(Z > z) = 1.0000

. sum mdi

Variable	0bs	Mean	Std. Dev.	Min	Max
mdi	 144	104.7361	15.60437	 50	142

. ztest pdi==100, sd(15.60437)

One-sample z test

Variable	0bs	Mean	Std. Err.	Std. Dev.	[95% Conf.	Interval]
pdi	143	94.78322	1.304903	15.60437	92.22565	97.34078

mean = mean(pdi)
Ho: mean = 100

z = -3.9978

Ha: mean < 100Pr(Z < z) = 0.0000 Ha: mean != 100 Pr(|Z| > |z|) = 0.0001 Ha: mean > 100 Pr(Z > z) = 1.0000

. . ztest mdi==100, sd(15.60437)

One-sample z test

Variable	0bs	Mean	Std. Err.	Std. Dev.	[95% Conf	. Interval]
mdi	144	104.7361	1.300364	15.60437	102.1874	107.2848

mean = mean(mdi)

z = 3.6421

Ho: mean = 100

Ha: mean < 100

Ha: mean != 100 Pr(Z < z) = 0.9999 Pr(|Z| > |z|) = 0.0003

Ha: mean > 100 Pr(Z > z) = 0.0001

. ztesti 144 104.7361 15.60437 100, level(99.9)

One-sample z test

	0bs	Mean	Std. Err.	Std. Dev.	[99.9% Conf.	Interval]
x	144	104.7361	1.300364	15 . 60437	100.4572	109.015
mean =	 = mean(x)				 z =	= 3.6421

Ho: mean = 100

Ha: mean < 100 Pr(Z < z) = 0.9999

Ha: mean != 100 Pr(|Z| > |z|) = 0.0003

Ha: mean > 100 Pr(Z > z) = 0.0001

. mean pdi

Mean estimation

Number of obs =

143

	Mean	Std. Err.	[95% Conf.	Interval]
pdi	94.78322	1.325531	92.16289	97.40354

■ mean mdi

Mean estimation

Number of obs =

144

	Mean	Std. Err.	[95% Conf.	Interval]
mdi	104.7361	1.300364	102.1657	107.3065

- cmd close command cmd is unrecognized r(199);
- . cmdlog close
 (cmdlog /Users/yushujiang/Desktop/EC0220/Labs/Problemset5/Analysis/jiang_ps5.do cl > osed)
- . log close

name: <unnamed>

log: /Users/yushujiang/Desktop/EC0220/Labs/Problemset5/Analysis/jiang_ps5.

> log

log type: text

closed on: 5 Nov 2018, 21:47:34