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name: <Lillian Jiang>

log: C:\Users\ljiang\Desktop\ECO220\Labs\Lab9\analysis/jiang\_lab9.log

log type: text

opened on: 14 Nov 2018, 16:15:43

.

. describe v090

storage display value

variable name type format label variable label

-------------------------------------------------------------------------------------

v090 byte %8.0g v090 gun control

.

. label list v090

v090:

1 more difficult

2 same as now

3 easier

9 na

.

. sum v090

Variable | Obs Mean Std. Dev. Min Max

-------------+---------------------------------------------------------

v090 | 1,544 1.455311 .5787983 1 3

.

. tab v090

gun control | Freq. Percent Cum.

---------------+-----------------------------------

more difficult | 908 58.81 58.81

same as now | 569 36.85 95.66

easier | 67 4.34 100.00

---------------+-----------------------------------

Total | 1,544 100.00

.

. gen sgc = 0

.

. replace sgc =1 if v090 < 2

(908 real changes made)

.

. replace sgc =. if v090 > 3

(11 real changes made, 11 to missing)

.

. tab sgc

sgc | Freq. Percent Cum.

------------+-----------------------------------

0 | 636 41.19 41.19

1 | 908 58.81 100.00

------------+-----------------------------------

Total | 1,544 100.00

.

. tab v144

gender | Freq. Percent Cum.

------------+-----------------------------------

male | 674 43.34 43.34

female | 881 56.66 100.00

------------+-----------------------------------

Total | 1,555 100.00

.

. tab sgc v144

| gender

sgc | male female | Total

-----------+----------------------+----------

0 | 362 274 | 636

1 | 306 602 | 908

-----------+----------------------+----------

Total | 668 876 | 1,544

.

. proportion sgc,over(v144) level(99)

Proportion estimation Number of obs = 1,544

\_prop\_1: sgc = 0

\_prop\_2: sgc = 1

male: v144 = male

female: v144 = female

--------------------------------------------------------------

| Logit

Over | Proportion Std. Err. [99% Conf. Interval]

-------------+------------------------------------------------

\_prop\_1 |

male | .5419162 .0192919 .4919091 .5910928

female | .3127854 .0156735 .2738487 .3545551

-------------+------------------------------------------------

\_prop\_2 |

male | .4580838 .0192919 .4089072 .5080909

female | .6872146 .0156735 .6454449 .7261513

--------------------------------------------------------------

.

. sum v090

Variable | Obs Mean Std. Dev. Min Max

-------------+---------------------------------------------------------

v090 | 1,544 1.455311 .5787983 1 3

.

. prtest sgc, by(v144) level(99)

Two-sample test of proportions male: Number of obs = 668

female: Number of obs = 876

------------------------------------------------------------------------------

Group | Mean Std. Err. z P>|z| [99% Conf. Interval]

-------------+----------------------------------------------------------------

male | .4580838 .0192775 .4084283 .5077393

female | .6872146 .0156645 .6468655 .7275638

-------------+----------------------------------------------------------------

diff | -.2291308 .0248395 -.293113 -.1651486

| under Ho: .0252818 -9.06 0.000

------------------------------------------------------------------------------

diff = prop(male) - prop(female) z = -9.0631

Ho: diff = 0

Ha: diff < 0 Ha: diff != 0 Ha: diff > 0

Pr(Z < z) = 0.0000 Pr(|Z| > |z|) = 0.0000 Pr(Z > z) = 1.0000

.

. label list v138

v138:

1 agree strongly

2 agree somewhat

3 neither agree nor disagree

4 disagree somewhat

5 disagree strongly

9 na

.

. gen ptc = 0

.

. replace ptc = 1 if v138<3

(893 real changes made)

.

. replace ptc =. if v138>5

(5 real changes made, 5 to missing)

.

. tab ptc v144

| gender

ptc | male female | Total

-----------+----------------------+----------

0 | 336 321 | 657

1 | 336 557 | 893

-----------+----------------------+----------

Total | 672 878 | 1,550

.

. proportion ptc, over(v144) level(99.9)

Proportion estimation Number of obs = 1,550

\_prop\_1: ptc = 0

\_prop\_2: ptc = 1

male: v144 = male

female: v144 = female

--------------------------------------------------------------

| Logit

Over | Proportion Std. Err. [99.9% Conf. Interval]

-------------+------------------------------------------------

\_prop\_1 |

male | .5 .0193023 .4367052 .5632948

female | .3656036 .0162624 .3138282 .4206841

-------------+------------------------------------------------

\_prop\_2 |

male | .5 .0193023 .4367052 .5632948

female | .6343964 .0162624 .5793159 .6861718

--------------------------------------------------------------

.

. prtest ptc, by(v144) level(99)

Two-sample test of proportions male: Number of obs = 672

female: Number of obs = 878

------------------------------------------------------------------------------

Group | Mean Std. Err. z P>|z| [99% Conf. Interval]

-------------+----------------------------------------------------------------

male | .5 .0192879 .4503176 .5496824

female | .6343964 .0162532 .5925309 .6762618

-------------+----------------------------------------------------------------

diff | -.1343964 .0252228 -.199366 -.0694267

| under Ho: .0253286 -5.31 0.000

------------------------------------------------------------------------------

diff = prop(male) - prop(female) z = -5.3061

Ho: diff = 0

Ha: diff < 0 Ha: diff != 0 Ha: diff > 0

Pr(Z < z) = 0.0000 Pr(|Z| > |z|) = 0.0000 Pr(Z > z) = 1.0000

.

. cmdlog close

(cmdlog C:\Users\ljiang\Desktop\ECO220\Labs\Lab9\analysis/jiang\_lab9.do closed)

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. log close

name: <Lillian Jiang>

log: C:\Users\ljiang\Desktop\ECO220\Labs\Lab9\analysis/jiang\_lab9.log

log type: text

closed on: 14 Nov 2018, 16:15:44

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