Statistics/Data analysis

```
1 . use "./data.dta"

2 .
3 .
4 . ** Remove disqualified respondents **
5 .
6 . // Refuse to participate
7 . drop if waiver == 2
  (0 observations deleted)

8 .
9 . // Age less than 18 years old (i.e. born after 1997 ["84"])
10. drop if yob > 84
  (6 observations deleted)

11.
12. // Non-Chinese citizen
13. drop if citizen != 1
  (0 observations deleted)

14.
15.
16. // Module 1
17. gen trade = .
  (1,229 missing values generated)

18. replace trade = 1 if (trade0 == 3 | trade1 == 3 | trade2 == 3) & trade8b == 1
  (23 real changes made)

19. replace trade = 2 if (trade0 == 3 | trade1 == 3 | trade2 == 3) & trade8b == 2
  (40 real changes made)

20. replace trade = 3 if (trade0 == 2 | trade1 == 2 | trade2 == 2)
  (105 real changes made)

21. replace trade = 4 if (trade0 == 1 | trade1 == 1 | trade2 == 1) & trade8a == 2
  (136 real changes made)

22. replace trade = 5 if (trade0 == 1 | trade1 == 1 | trade2 == 1) & trade8a == 1
  (226 real changes made)

23.
24.
25. tab ipe if (ipe == 1 | ipe == 2 | ipe == 7)
```

ipe	Freq.	Percent	Cum.
1	**172**	**32.45**	**32.45**
2	**177**	**33.40**	**65.85**
7	**181**	**34.15**	**100.00**
Total	**530**	**100.00**	

```
26.
27. gen trade_prop = .
  (1,229 missing values generated)

28. replace trade_prop = 1 if (trade == 1 | trade == 2 )
  (63 real changes made)
```

```
29. replace trade_prop = 0 if (trade == 3 | trade == 4 | trade == 5)
  (467 real changes made)

30.
31.
32. prtest trade_prop if ipe == 1 | ipe == 2, by(ipe)

  Two-sample test of proportions                     1: Number of obs =      172
                                                     2: Number of obs =      177
------------------------------------------------------------------------------
       Group |       Mean   Std. Err.      z    P>|z|     [95% Conf. Interval]
-------------+----------------------------------------------------------------
           1 |   .2267442   .0319275                      .1641674     .289321
           2 |   .0564972   .0173539                      .0224841    .0905103
-------------+----------------------------------------------------------------
        diff |    .170247   .0363391                      .0990238    .2414703
             |  under Ho:   .0371959     4.58   0.000
------------------------------------------------------------------------------
        diff = prop(1) - prop(2)                                      z =  4.5770
    Ho: diff = 0

    Ha: diff < 0                 Ha: diff != 0                 Ha: diff > 0
 Pr(Z < z) = 1.0000         Pr(|Z| > |z|) = 0.0000          Pr(Z > z) = 0.0000

33. prtest trade_prop if ipe == 1 | ipe == 7, by(ipe)

  Two-sample test of proportions                     1: Number of obs =      172
                                                     7: Number of obs =      181
------------------------------------------------------------------------------
       Group |       Mean   Std. Err.      z    P>|z|     [95% Conf. Interval]
-------------+----------------------------------------------------------------
           1 |   .2267442   .0319275                      .1641674     .289321
           7 |   .0773481   .0198566                      .0384299    .1162662
-------------+----------------------------------------------------------------
        diff |   .1493961   .0375986                      .0757043    .2230879
             |  under Ho:   .0380371     3.93   0.000
------------------------------------------------------------------------------
        diff = prop(1) - prop(7)                                      z =  3.9276
    Ho: diff = 0

    Ha: diff < 0                 Ha: diff != 0                 Ha: diff > 0
 Pr(Z < z) = 1.0000         Pr(|Z| > |z|) = 0.0001          Pr(Z > z) = 0.0000

34.
35.
36. // Module 2
37. gen dump = .
  (1,229 missing values generated)

38. replace dump = 1 if (dump3 == 2 | dump4 == 2 | dump5 == 2 | dump6 == 2) & oppose ==
  > 1
  (31 real changes made)

39. replace dump = 2 if (dump3 == 2 | dump4 == 2 | dump5 == 2 | dump6 == 2) & oppose ==
  > 2
  (53 real changes made)

40. replace dump = 3 if (dump3 == 3 | dump4 == 3 | dump5 == 3 | dump6 == 3)
  (167 real changes made)
```

```
41. replace dump = 4 if (dump3 == 1 | dump4 == 1 | dump5 == 1 | dump6 == 1) & agree == 2
  (163 real changes made)

42. replace dump = 5 if (dump3 == 1 | dump4 == 1 | dump5 == 1 | dump6 == 1) & agree == 1
  (285 real changes made)

43.
44. gen dump_prop = .
  (1,229 missing values generated)

45. replace dump_prop = 0 if (dump == 1 | dump == 2 | dump == 3)
  (251 real changes made)

46. replace dump_prop = 1 if (dump == 4 | dump == 5)
  (448 real changes made)

47.
48. tab ipe if (ipe == 3 | ipe == 4 | ipe == 5 | ipe == 6)
```

ipe	Freq.	Percent	Cum.
3	**173**	**24.75**	**24.75**
4	**175**	**25.04**	**49.79**
5	**174**	**24.89**	**74.68**
6	**177**	**25.32**	**100.00**
Total	**699**	**100.00**	

```
49.
50. prtest dump_prop if ipe == 4 | ipe == 6, by (ipe)
```

Two-sample test of proportions — **4**: Number of obs = **175**; **6**: Number of obs = **177**

Group	Mean	Std. Err.	z	P>|z|	[95% Conf.	Interval]
4	**.5142857**	**.037781**			**.4402363**	**.5883351**
6	**.7909605**	**.0305636**			**.7310568**	**.8508641**
diff	**-.2766747**	**.0485957**			**-.3719205**	**-.1814289**
	under Ho:	**.0507302**	**-5.45**	**0.000**		

diff = prop(**4**) - prop(**6**) z = **-5.4538**
Ho: diff = 0

Ha: diff < 0 — Pr(Z < z) = **0.0000**
Ha: diff != 0 — Pr(|Z| > |z|) = **0.0000**
Ha: diff > 0 — Pr(Z > z) = **1.0000**

```
51.
52. // Module 3
53. gen robust = treatment
  (530 missing values generated)

54. gen get = .
  (1,229 missing values generated)

55. replace get = 1 if (get1 == 3 | get2 == 3 | get3 == 3)
  (125 real changes made)

56. replace get = 2 if (get1 == 2 | get2 == 2 | get3 == 2)
  (121 real changes made)
```

```
57. replace get = 3 if (get1 == 1 | get2 == 1 | get3 == 1)
  (453 real changes made)

58.
59. gen get_prop = .
  (1,229 missing values generated)

60. replace get_prop = 1 if (get == 1)
  (125 real changes made)

61. replace get_prop = 0 if (get == 2 | get == 3)
  (574 real changes made)

62.
63. tab robust if (robust == 1 | robust == 2 | robust == 3)
```

robust	Freq.	Percent	Cum.
1	**235**	**33.62**	**33.62**
2	**236**	**33.76**	**67.38**
3	**228**	**32.62**	**100.00**
Total	**699**	**100.00**	

```
64.
65. prtest get_prop if robust == 2 | robust == 3, by (robust)
```

Two-sample test of proportions — **2**: Number of obs = **236**; **3**: Number of obs = **228**

Group	Mean	Std. Err.	z	P>|z|	[95% Conf.	Interval]
2	**.0677966**	**.0163645**			**.0357227**	**.0998705**
3	**.377193**	**.032099**			**.3142802**	**.4401058**
diff	**-.3093964**	**.0360297**			**-.3800133**	**-.2387794**
	under Ho:	**.0384567**	**-8.05**	**0.000**		

diff = prop(**2**) - prop(**3**) z = **-8.0453**
Ho: diff = 0

Ha: diff < 0 — Pr(Z < z) = **0.0000**
Ha: diff != 0 — Pr(|Z| > |z|) = **0.0000**
Ha: diff > 0 — Pr(Z > z) = **1.0000**

```
66. prtest get_prop if robust == 1 | robust == 3, by (robust)
```

Two-sample test of proportions — **1**: Number of obs = **235**; **3**: Number of obs = **228**

Group	Mean	Std. Err.	z	P>|z|	[95% Conf.	Interval]
1	**.0978723**	**.0193834**			**.0598816**	**.1358631**
3	**.377193**	**.032099**			**.3142802**	**.4401058**
diff	**-.2793206**	**.0374975**			**-.3528143**	**-.2058269**
	under Ho:	**.0394387**	**-7.08**	**0.000**		

diff = prop(**1**) - prop(**3**) z = **-7.0824**
Ho: diff = 0

Ha: diff < 0 — Pr(Z < z) = **0.0000**
Ha: diff != 0 — Pr(|Z| > |z|) = **0.0000**
Ha: diff > 0 — Pr(Z > z) = **1.0000**

```
67.
68. log close
```