Statistics/Data Analysis

```
      name:  <unnamed>
       log:  C:\Users\kvenkita\Dropbox (UNC Charlotte)\PUMS NC\psam_p37_2019.smcl
  log type:  smcl
 opened on:   1 Aug 2021, 11:27:45
Setting Survey Weights

      pweight: pwgtp
          VCE: sdr
          MSE: on
    sdrweight: pwgtp1 .. pwgtp80
  Single unit: missing
     Strata 1: <one>
         SU 1: <observations>
        FPC 1: <zero>
Indicator Variable for Charlotte-Mecklenburg using PUMA codes
(9,958 real changes made)
Labor Force Non-Participation for Black and White Population - use #6 in the categorie
> s for proportion
White
(running tabulate on estimation sample)

                                                Number of obs     =     103,516
                                                Population size   =  10,488,084
                                                Subpop. no. obs   =       3,408
                                                Subpop. size      =     326,027
                                                Replications      =          80
```

| ESR | proportion | se | lb | ub | deff |
|---|---|---|---|---|---|
| 1 | .8123 | .0093 | .7935 | .8298 | 1.813 |
| 2 | .0105 | .0026 | .0064 | .0171 | 2.114 |
| 3 | .0225 | .0034 | .0168 | .0301 | 1.659 |
| 4 | 0 | 0 | | | |
| 5 | 0 | 0 | | | |
| 6 | .1547 | .0083 | .1391 | .1716 | 1.689 |
| Total | 1 | | | | |

```
  Key:  proportion  =  cell proportion
        se          =  sdr standard error of cell proportion
        lb          =  lower 95% confidence bound for cell proportion
        ub          =  upper 95% confidence bound for cell proportion
        deff        =  deff for variance of cell proportion

  Table contains a zero in the marginals.
  Statistics cannot be computed.
Black
(running tabulate on estimation sample)

                                                Number of obs     =     103,516
                                                Population size   =  10,488,084
                                                Subpop. no. obs   =       1,358
                                                Subpop. size      =     195,611
                                                Replications      =          80
```

| ESR | proportion | se | lb | ub | deff |
|---|---|---|---|---|---|
| 1 | .8023 | .011 | .7798 | .823 | 1.483 |
| 2 | .0218 | .0063 | .0123 | .0382 | 3.578 |
| 3 | .0287 | .0055 | .0197 | .0417 | 2.078 |
| 4 | 0 | 0 | | | |
| 5 | 0 | 0 | | | |
| 6 | .1472 | .0105 | .1277 | .169 | 1.7 |
| Total | 1 | | | | |

```
  Key:  proportion  =  cell proportion
        se          =  sdr standard error of cell proportion
        lb          =  lower 95% confidence bound for cell proportion
```

ub = **upper 95% confidence bound for cell proportion**
deff = **deff for variance of cell proportion**

Table contains a zero in the marginals.
Statistics cannot be computed.

**Median Personal Total Income for Asian, Black and White population (rac1p = 1 (white), > 2(black) 6(asian))**
**Adjusting Income for 2019 dollars**
(16,270 missing values generated)
generating income percentiles
Black
(running **mean** on estimation sample)

SDR replications (**80**)
----+--- 1 ----+--- 2 ----+--- 3 ----+--- 4 ----+--- 5
.................................................. 50
..............................

Survey: Mean estimation

| | |
|---|---|
| Number of obs | **963** |
| Population size | **146,338** |
| Subpop. no. obs | **963** |
| Subpop. size | **146,338** |
| Replications | **80** |

| | Mean | SDR * Std. Err. | [95% Conf. | Interval] |
|---|---|---|---|---|
| __000006 | **-.0120577** | **.0168888** | **-.0451592** | **.0210438** |
| __000007 | **-.015717** | **.0206475** | **-.0561854** | **.0247513** |
| __000008 | **-.0066387** | **.0181374** | **-.0421874** | **.0289099** |

Percentile estimation

| adj_pincp | Coef. | SDR * Std. Err. | z | P>\|z\| | [95% Conf. | Interval] |
|---|---|---|---|---|---|---|
| p25 | **28284.06** | **1262.681** | **22.40** | **0.000** | **25809.25** | **30758.87** |
| p50 | **40405.8** | **757.6094** | **53.33** | **0.000** | **38920.91** | **41890.69** |
| p75 | **55557.98** | **2525.362** | **22.00** | **0.000** | **50608.36** | **60507.6** |

White
(running **mean** on estimation sample)

SDR replications (**80**)
----+--- 1 ----+--- 2 ----+--- 3 ----+--- 4 ----+--- 5
.................................................. 50
..............................

Survey: Mean estimation

| | |
|---|---|
| Number of obs | **2,539** |
| Population size | **242,984** |
| Subpop. no. obs | **2,539** |
| Subpop. size | **242,984** |
| Replications | **80** |

| | Mean | SDR * Std. Err. | [95% Conf. | Interval] |
|---|---|---|---|---|
| __000006 | **-.0055436** | **.0117515** | **-.0285762** | **.017489** |
| __000007 | **-.0022306** | **.0107533** | **-.0233067** | **.0188455** |
| __000008 | **-.0009589** | **.0097246** | **-.0200187** | **.0181009** |

Percentile estimation

| adj_pincp | Coef. | SDR * Std. Err. | z | P>\|z\| | [95% Conf. | Interval] |
|---|---|---|---|---|---|---|
| p25 | **38385.51** | **1010.146** | **38.00** | **0.000** | **36405.66** | **40365.36** |
| p50 | **61618.84** | **1262.681** | **48.80** | **0.000** | **59144.04** | **64093.65** |
| p75 | **107075.4** | **3106.195** | **34.47** | **0.000** | **100987.3** | **113163.4** |

Asian
(running **mean** on estimation sample)

SDR replications (**80**)
```
----+--- 1 ---+--- 2 ---+--- 3 ---+--- 4 ---+--- 5
..................................................    50
..............................
```

Survey: Mean estimation

| | |
|---|---|
| Number of obs | **236** |
| Population size | **28,715** |
| Subpop. no. obs | **236** |
| Subpop. size | **28,715** |
| Replications | **80** |

| | Mean | SDR * Std. Err. | [95% Conf. | Interval] |
|---|---|---|---|---|
| __000006 | **-.0025335** | **.0305673** | **-.0624443** | **.0573772** |
| __000007 | **-.0075744** | **.0355883** | **-.0773263** | **.0621774** |
| __000008 | **-.0463608** | **.0307709** | **-.1066706** | **.013949** |

Percentile estimation

| adj_pincp | Coef. | SDR * Std. Err. | z | P>\|z\| | [95% Conf. | Interval] |
|---|---|---|---|---|---|---|
| p25 | **31314.49** | **1262.681** | **24.80** | **0.000** | **28839.68** | **33789.3** |
| p50 | **60608.7** | **6313.406** | **9.60** | **0.000** | **48234.65** | **72982.75** |
| p75 | **101014.5** | **5303.26** | **19.05** | **0.000** | **90620.3** | **111408.7** |

Business Ownership - Percentage of self-employed adults (25-64) in black and white pop
> ulations
White
(running **tabulate** on estimation sample)

| | |
|---|---|
| Number of obs | **103,250** |
| Population size | **10,459,969** |
| Subpop. no. obs | **3,144** |
| Subpop. size | **298,023** |
| Replications | **80** |

| COW | proportion | se | lb | ub | deff |
|---|---|---|---|---|---|
| 1 | **.7439** | **.0096** | **.7246** | **.7623** | **1.424** |
| 2 | **.0715** | **.0053** | **.0617** | **.0827** | **1.254** |
| 3 | **.0438** | **.005** | **.0349** | **.0547** | **1.771** |
| 4 | **.0209** | **.0028** | **.0161** | **.0272** | **1.117** |
| 5 | **.0106** | **.0022** | **.007** | **.016** | **1.415** |
| 6 | **.0604** | **.0048** | **.0517** | **.0705** | **1.176** |
| 7 | **.0438** | **.0044** | **.036** | **.0532** | **1.338** |
| 8 | **.0034** | **.0011** | **.0018** | **.0065** | **1.059** |
| 9 | **.0016** | **7.3e-04** | **6.9e-04** | **.0039** | **.9524** |
| Total | **1** | | | | |

Key: proportion = **cell proportion**

se = **sdr standard error of cell proportion**
lb = **lower 95% confidence bound for cell proportion**
ub = **upper 95% confidence bound for cell proportion**
deff = **deff for variance of cell proportion**

**Black**
(running **tabulate** on estimation sample)

| | | | |
|---|---|---|---|
| Number of obs | = | **103,374** | |
| Population size | = | **10,469,854** | |
| Subpop. no. obs | = | **1,217** | |
| Subpop. size | = | **177,422** | |
| Replications | = | **80** | |

| COW | proportion | se | lb | ub | deff |
|---|---|---|---|---|---|
| 1 | **.7385** | **.0147** | **.7088** | **.7662** | **1.948** |
| 2 | **.0648** | **.0081** | **.0506** | **.0827** | **1.904** |
| 3 | **.0557** | **.0077** | **.0424** | **.0728** | **1.967** |
| 4 | **.0484** | **.0059** | **.0381** | **.0614** | **1.315** |
| 5 | **.018** | **.0045** | **.0109** | **.0293** | **2.03** |
| 6 | **.0428** | **.0085** | **.0289** | **.0629** | **3.087** |
| 7 | **.0228** | **.0054** | **.0143** | **.0363** | **2.32** |
| 8 | **.0053** | **.0027** | **.0019** | **.0146** | **2.516** |
| 9 | **.0037** | **.0018** | **.0014** | **.0098** | **1.611** |
| Total | **1** | | | | |

Key: proportion = **cell proportion**
se = **sdr standard error of cell proportion**
lb = **lower 95% confidence bound for cell proportion**
ub = **upper 95% confidence bound for cell proportion**
deff = **deff for variance of cell proportion**

**Generate indicator for self employment**
(6,258 real changes made)
Use self employed indicator to recalculate - use this for the result
White
(running **tabulate** on estimation sample)

| | | | |
|---|---|---|---|
| Number of obs | = | **103,516** | |
| Population size | = | **10,488,084** | |
| Subpop. no. obs | = | **3,410** | |
| Subpop. size | = | **326,138** | |
| Replications | = | **80** | |

| selfempl | proportion | se | lb | ub | deff |
|---|---|---|---|---|---|
| 0 | **.9048** | **.0056** | **.8932** | **.9152** | **1.174** |
| 1 | **.0952** | **.0056** | **.0848** | **.1068** | **1.174** |
| Total | **1** | | | | |

Key: proportion = **cell proportion**
se = **sdr standard error of cell proportion**
lb = **lower 95% confidence bound for cell proportion**
ub = **upper 95% confidence bound for cell proportion**
deff = **deff for variance of cell proportion**

**Black**
(running **tabulate** on estimation sample)

| | | | |
|---|---|---|---|
| Number of obs | = | **103,516** | |
| Population size | = | **10,488,084** | |
| Subpop. no. obs | = | **1,359** | |
| Subpop. size | = | **195,652** | |
| Replications | = | **80** | |

| selfempl | proportion | se | lb | ub | deff |
|---|---|---|---|---|---|
| 0 | .9405 | .0092 | .9197 | .9562 | 2.94 |
| 1 | .0595 | .0092 | .0438 | .0803 | 2.94 |
| Total | 1 | | | | |

Key: proportion = **cell proportion**
se = **sdr standard error of cell proportion**
lb = **lower 95% confidence bound for cell proportion**
ub = **upper 95% confidence bound for cell proportion**
deff = **deff for variance of cell proportion**

**Health Insurance Non-Coverage**
**White**
(running **tabulate** on estimation sample)

| | | | |
|---|---|---|---|
| Number of obs | = | 103,516 |
| Population size | = | 10,488,084 |
| Subpop. no. obs | = | 6,076 |
| Subpop. size | = | 581,247 |
| Replications | = | 80 |

| HICOV | proportion | se | lb | ub | deff |
|---|---|---|---|---|---|
| 1 | .909 | .0069 | .8945 | .9216 | 3.294 |
| 2 | .091 | .0069 | .0784 | .1055 | 3.294 |
| Total | 1 | | | | |

Key: proportion = **cell proportion**
se = **sdr standard error of cell proportion**
lb = **lower 95% confidence bound for cell proportion**
ub = **upper 95% confidence bound for cell proportion**
deff = **deff for variance of cell proportion**

**Black**
(running **tabulate** on estimation sample)

| | | | |
|---|---|---|---|
| Number of obs | = | 103,516 |
| Population size | = | 10,488,084 |
| Subpop. no. obs | = | 2,506 |
| Subpop. size | = | 352,668 |
| Replications | = | 80 |

| HICOV | proportion | se | lb | ub | deff |
|---|---|---|---|---|---|
| 1 | .8811 | .0088 | .8628 | .8973 | 2.565 |
| 2 | .1189 | .0088 | .1027 | .1372 | 2.565 |
| Total | 1 | | | | |

Key: proportion = **cell proportion**
se = **sdr standard error of cell proportion**
lb = **lower 95% confidence bound for cell proportion**
ub = **upper 95% confidence bound for cell proportion**
deff = **deff for variance of cell proportion**

**Educational Attainment - Bachelor's Degree or Higher**
**Generate bachelors degree indicator**
(29,369 real changes made)
Black
(running **tabulate** on estimation sample)

| | | | |
|---|---|---|---|
| Number of obs | = | 103,516 |
| Population size | = | 10,488,084 |
| Subpop. no. obs | = | 1,359 |
| Subpop. size | = | 195,652 |
| Replications | = | 80 |

| bachelor | proportion | se | lb | ub | deff |
|---|---|---|---|---|---|
| 0 | **.6591** | **.0158** | **.6275** | **.6893** | **2.147** |
| 1 | **.3409** | **.0158** | **.3107** | **.3725** | **2.147** |
| Total | **1** | | | | |

Key: proportion = **cell proportion**
se = **sdr standard error of cell proportion**
lb = **lower 95% confidence bound for cell proportion**
ub = **upper 95% confidence bound for cell proportion**
deff = **deff for variance of cell proportion**

**White**
(running **tabulate** on estimation sample)

Number of obs = **103,516**
Population size = **10,488,084**
Subpop. no. obs = **3,410**
Subpop. size = **326,138**
Replications = **80**

| bachelor | proportion | se | lb | ub | deff |
|---|---|---|---|---|---|
| 0 | **.4024** | **.012** | **.379** | **.4262** | **1.943** |
| 1 | **.5976** | **.012** | **.5738** | **.621** | **1.943** |
| Total | **1** | | | | |

Key: proportion = **cell proportion**
se = **sdr standard error of cell proportion**
lb = **lower 95% confidence bound for cell proportion**
ub = **upper 95% confidence bound for cell proportion**
deff = **deff for variance of cell proportion**

**Commute Time - Mean Commute Time**
**White**
(running **mean** on estimation sample)

SDR replications (**80**)
```
----+--- 1 ---+--- 2 ---+--- 3 ---+--- 4 ---+--- 5
..................................................    50
................................
```

Survey: Mean estimation
Number of obs = **102,574**
Population size = **10,396,344**
Subpop. no. obs = **2,468**
Subpop. size = **234,398**
Replications = **80**

| | SDR * | | | |
|---|---|---|---|---|
| | Mean | Std. Err. | [95% Conf. | Interval] |
| jwmnp | **26.88296** | **.5651443** | **25.7753** | **27.99062** |

Black
(running **mean** on estimation sample)

SDR replications (**80**)
```
----+--- 1 ---+--- 2 ---+--- 3 ---+--- 4 ---+--- 5
..................................................    50
................................
```

Survey: Mean estimation
Number of obs = **103,108**
Population size = **10,433,186**
Subpop. no. obs = **951**
Subpop. size = **140,754**
Replications = **80**

| | Mean | SDR * Std. Err. | [95% Conf. | Interval] |
|---|---|---|---|---|
| jwmnp | **27.10656** | **.8650738** | **25.41105** | **28.80208** |

Print Logs