

\* Stata Analysis Examples Replication for ASDA 3rd Edition  
\* Berglund Fall 2024

\*\*\* CHAPTER 13

\* Multilevel Model  
\* Table 13.1

use <http://www.stata-press.com/data/r13/pisa2000>, clear

```
mixed isei college || id_school: college, ///  
    covariance(independent) variance
```

```
mixed isei college w_fstuwt || id_school: college, ///  
    covariance(independent) variance
```

```
gen conwt = w_fstuwt / wnrschbw
```

```
mixed isei college [pw = conwt] || id_school: college, ///  
    covariance(independent) variance pweight(wnrschbw) pwscale(effective)
```

```
mixed isei college [pw = conwt] || id_school: college, ///  
    covariance(independent) variance pweight(wnrschbw) pwscale(size)
```

\* SEM

```
use "P:\ASDA3\Data Sets for Analysis Examples and Stata R Code\immig.dta", clear
```

```
svyset psu [pweight = weight]
```

```
svy: sem ///  
(Trust -> trstplt trstprt) ///  
(Immig -> imsmetn imdfetn impcntr) ///  
(Immig <- Trust) ///  
if trstplt != 88 & trstprt != 88 & ///  
imsmetn != 8 & imdfetn != 8 & impcntr != 8
```

\* Non-Probability Samples

```
use "P:\ASDA3\Data Sets for Analysis Examples and Stata R Code\abc_wisc.dta", clear  
prop trumpind
```

```
svyset [pweight = weight]  
svy: prop trumpind
```