

## Making Summary Tables in Stata

See also the course documents "Making Contingency Tables in Stata" and "Making Working & Publication tables in Stata".

Note: *tabform* can display confidence intervals, permit aweights, display significance, and permit the by-group to be the row (horizontal option) or column (vertical option) variable. *tablemat* (which is an extension of *tabstat*) allows the use of multiple by-groups, and displays the by-group as the column variable. See *tabout* for summary and contingency tables.

### By-group as row variable

	Ave. Income	% Poverty
Community1	12,636	34.3
Community2	15,151	31.1
Community3	16,204	29.5

### By-group as column variable

	Community1	Community 2	Community 3
Ave. income	12,236	15,151	16,204
% poverty	34.3%	31.1%	29.5%

use hsb2, clear

- **tabstat**

*help tabstat*

```
tabstat read write math science, stats(mean med sd min max) format(%9.2f)
```

```
tabstat read write math science, stats(mean med sd min ma x) format(%9.2f)  
col(stats)
```

```
tabstat read write math science, stats(mean med sd min max) format(%9.2f)  
by(female) col(stats)
```

- **tablemat**

*findit tablemat*

*help tablemat*

```
tablemat read write math, st(mean) by(ses) name(table) format(%9.2f)
```

```
tablemat read write math, st(mean) by(female ses prog) name(table) format(%9.2f)
```

- **tabform**

*findit tabform*

*help tabform*

tabform read write math using table.xls, by(ses) sd ci dec(2) sdbracket cibrace nototal

*Open Excel, navigate to table.xls, and follow the wizard instructions to display the table.*

*tabform displays only the mean if other statistics are not requested.*

tabform read write math using table.xls, by(ses) sd ci dec(2) sdbracket cibrace nototal vertical

- **fsum**

*findit fsum*

*help fsum*

fsum read write math, s(med min p25 p75 max) format(%9.2f)

- **statsmat**

*findit statsmat*

*help statsmat*

statsmat science, by(female) f(%9.0f) s(n min q max) matrix(m1)

statsmat science, by(female) f(%9.0f) s(n min q max) xpose matrix(m2)

- **makematrix**

*findit makematrix*

*help makematrix*

makematrix, from(r(mean) r(p50) r(sd) r(min) r(max)) format(%9.2f): su read-science, detail

makematrix, from(r(rho)): corr read-socst

makematrix, from(r(rho)) cols(socst) format(%9.2f): corr read-socst

Some other useful, downloadable table-making commands: tabout (contingency and summary tables), mkcorr (correlation matrices), and esttab, estout, and outreg2 (regression tables).