

1 Tabstat in L^AT_EX using latabstat Command

1.1 Example 1: Group means of variables

```
. tabstat math write read, by(female)
```

```
Summary statistics: mean
```

```
by categories of: female (Gender)
```

```
female |      math      write      read
-----+-----
  male |  52.94505  50.12088  52.82418
female |  52.3945  54.99083  51.73394
-----+-----
  Total |   52.645   52.775   52.23
-----
```

```
. latabstat math write read, by(female)
```

```
\begin{table}[htbp]\centering
```

```
\caption{\label{} \textbf{ }}\begin{tabular} {@{} l r r r @{}} \\\
```

```
\hline
```

```
\textbf{female } & \textbf{      math} & \textbf{      write} & \textbf{      read} & \\\
```

```
write} & \textbf{      read} & \\\
```

```
\hline
```

```
  male &  52.94505 &  50.12088 &  52.82418 & \\\
```

```
female &  52.3945 &  54.99083 &  51.73394 & \\\
```

```
  Total &  52.645 &  52.775 &  52.23 & \\\
```

```
\hline \multicolumn{4}{@{}l}{ \footnotesize{\emph{Source:}}
```

```
http://www.ats.ucla.edu/stat/stata/notes/hsb2.dta}}
```

```
\end{tabular}
```

```
\end{table}
```

Table 1:

female	math	write	read
male	52.94505	50.12088	52.82418
female	52.3945	54.99083	51.73394
Total	52.645	52.775	52.23

Source: <http://www.ats.ucla.edu/stat/stata/notes/hsb2.dta>

1.2 Example 2: Requesting more statistics

```
. tabstat write, by(female) s(mean sd) f(%5.2f)
```

```
Summary for variables: write
by categories of: female
```

```
female |      mean      sd
-----+-----
  male |      50.12     10.31
female |      54.99      8.13
-----+-----
  Total |      52.77      9.48
-----
```

```
. latabstat write, by(female) s(mean sd) f(%5.2f)
```

```
\begin{table}[htbp]\centering
\caption{\label{}}
\textbf{} \begin{tabular} {@{} l r r @{}} \\\ \hline
\textbf{female } & \textbf{mean} & \textbf{sd} \\\
\hline
  male & 50.12 & 10.31 \\\
female & 54.99 & 8.13 \\\
  Total & 52.77 & 9.48 \\\
\hline
\multicolumn{3}{@{}l}{\footnotesize{\emph{Source:}
http://www.ats.ucla.edu/stat/stata/notes/hsb2.dta}}
\end{tabular}
\end{table}
```

Table 2:

female	mean	sd
male	50.12	10.31
female	54.99	8.13
Total	52.77	9.48

Source: <http://www.ats.ucla.edu/stat/stata/notes/hsb2.dta>

1.3 Example 3: Table with a title

The last example table does not have a title. We can use the option `cap` after `latabstat` to make a title for the table.

```
. latabstat math write read, by(female) cap(Scores by Gender)

\begin{table}[htbp]\centering
\caption{\label{} \textbf{Scores by Gender} }\begin{tabular} {@{}
l r r r @{}} \\\hline
\textbf{female } & \textbf{math} & \textbf{write} & \textbf{read} \\\hline
male & 52.94505 & 50.12088 & 52.82418 \\\hline
female & 52.3945 & 54.99083 & 51.73394 \\\hline
Total & 52.645 & 52.775 & 52.23 \\\hline
\multicolumn{4}{@{}l}{\footnotesize{\emph{Source:}
http://www.ats.ucla.edu/stat/stata/notes/hsb2.dta}}
\end{tabular}
\end{table}
```

Table 3: Scores by Gender

female	math	write	read
male	52.94505	50.12088	52.82418
female	52.3945	54.99083	51.73394
Total	52.645	52.775	52.23

Source: <http://www.ats.ucla.edu/stat/stata/notes/hsb2.dta>