ADDING STATISTICS TO A TABLE IN STATA

I recently asked CSAE colleagues about the best way of adding statistics to a table in Stata, and was surprised to hear that people were doing it in a few different ways, some more complicated than others. I wanted to share some of the useful advice I received on doing this with esttab and estadd, using a very simple example that adds the following statistics:

(i) the median of the control group;
(ii) the beta coefficient, in terms of the standard deviation of the control group;
(iii) the p-value from a simple post-estimation t-test for coefficient equality.

First, generate the median of the variable X1 for the control group:

```
_pctile X1 if control==1, nq(10)
scalar Median_ctrl = r(r5)
```

(Note that any percentile could have been stored e.g. r3 for the 30th percentile). Next, we also store the standard deviation of the control group as a scalar:

```
su X1 if control==1
scalar Stdev_ctrl = r(sd)
```

After the regression, we use estadd to store the results as a local macro name.

```
regress Y1 X1 X2
```

First, we store the previously-created median:

```
local CtrlMed: display %4.3f Median_ctrl
estadd local CtrlMed "`CtrlMed'"
```

Second, we store the estimated coefficient on X1, expressed in standard deviations of the control group:

```
scalar TreatEffect = _b[X1]/Stdev_ctrl
local TreatEffect: display %4.3f TreatEffect
estadd local TreatEffect "`TreatEffect'"
```

Third, we store the p-value from a simple t-test of coefficient equality for X1 and X2:

```
test X1=X2
local CoeffEq: display %4.2f `r(p)'
estadd local CoeffEq "`CoeffEq'"
```

Finally, we store the results and use them in esttab:

```
estimates store StoreResults1
local Statistics CtrlMed TreatmentEffect CoeffEq
esttab StoreResults1, stats(`Statistics')
```

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14 January 2019