

---

Subject: trend analysis with svy comand

Posted by [sc.sanchez](#) on Wed, 29 Mar 2017 18:48:20 GMT

[View Forum Message](#) <> [Reply to Message](#)

---

Hello,

I am analyzing the DHS 2010 for Colombia in Stata. I need to test the trend across a categorical variable (age groups) but nptrend comand is not supported by svy. I tried two ways:

First, using regress and contrast postestimate:

```
svy: regress UnmetNeedTotal i.AgeGr
```

```
contrast ar.AgeGr
```

but, the output shows a p-value for each contrast (1 vs. 0; 1 vs. 2; 2 vs. 3). How I obtain an unique p-value for trend?

Second, using regress and test postestimate:

```
gen Age1 = (AgeGr==1) if AgeGr!=.
```

```
tab Age1
```

```
gen Age2 = (AgeGr==2) if AgeGr!=.
```

```
tab Age2
```

```
gen Age3 = (AgeGr==3) if AgeGr!=.
```

```
tab Age3
```

```
svy: regress UnmetNeedTotal Age1 Age2 Age3
```

```
test Age1 Age2 Age3
```

Output shows a p-value for Fisher test, but I don't know if this output is equivalent for trend across a categorical variable.

Any help will be appreciated.

---