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Subject: Performing a manual backward stepwise logistic regression in Stata

Posted by [npolle](#) on Mon, 05 Sep 2016 06:22:42 GMT

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I am new in using stata and interested in using the 2011 Uganda Demographic and Health Survey to determine prevalence of disability and associated risk factors. I need assistance in performing a manual backward stepwise logistic regression in Stata. I have read that in performing a manual backward stepwise logistic regression in Stata, I first need to run the full model (with all covariates), followed by testing all variables for statistical significance at  $p < 0.05$  starting with the bottom variable.

I need assistance on how to test the variables for statistical significance. This is how I approached it, however the test command does not run.

\*GENERATING THE SUBPOPULATION

```
generate overfive=.
```

```
replace overfive = 1 if hv105>=5 & hv105<96 & hv103==1
```

```
replace overfive = 0 if overfive!=1
```

\*CONDUCTING MULTIVARIATE LOGISTICS REGRESSION

\*Where 'onedisability' is the variable for difficulty in at least one functional area

```
svy, subpop (overfive): logistic onedisability ///
```

```
hv104 ///
```

```
hv106 ///
```

```
hv025 ///
```

```
hv270 ///
```

```
hv024
```

```
test hv024
```

Thank you

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