

Q.

In a probit model, let y be the binary (0/1) outcome and x the scalar predictor. The probit model is

$$y^* = b_0 + b_1 x + \epsilon,$$

where b_0 and b_1 are intercept and coefficient respectively, ϵ follows a standard normal distribution and $y = 1\{y^* > 0\}$. Here $1\{\cdot\}$ is an indicator function. Is there a command in Mplus to calculate y^* ? Thanks a lot.

A.

Ask for factor scores in the following run:

```
ANALYSIS: PARAMETERIZATION = Theta;  
MODEL:  
f BY u1; f@1; u1@.00001;  
f ON x1 x3;
```