

week 1

Basic Recursion

$$\beta_{YD} = \beta_{YD \cdot T} + \beta_{TD} \beta_{YT \cdot D}$$

$$\beta_{12} = \beta_{12 \cdot 3} + \beta_{32} \beta_{13 \cdot 2}$$

multiple regression coefficient, 2 predictors

$$\beta_{12 \cdot 3} = \frac{1}{1 - \rho_{23}^2} [\beta_{12} - \beta_{32} \beta_{13}]$$