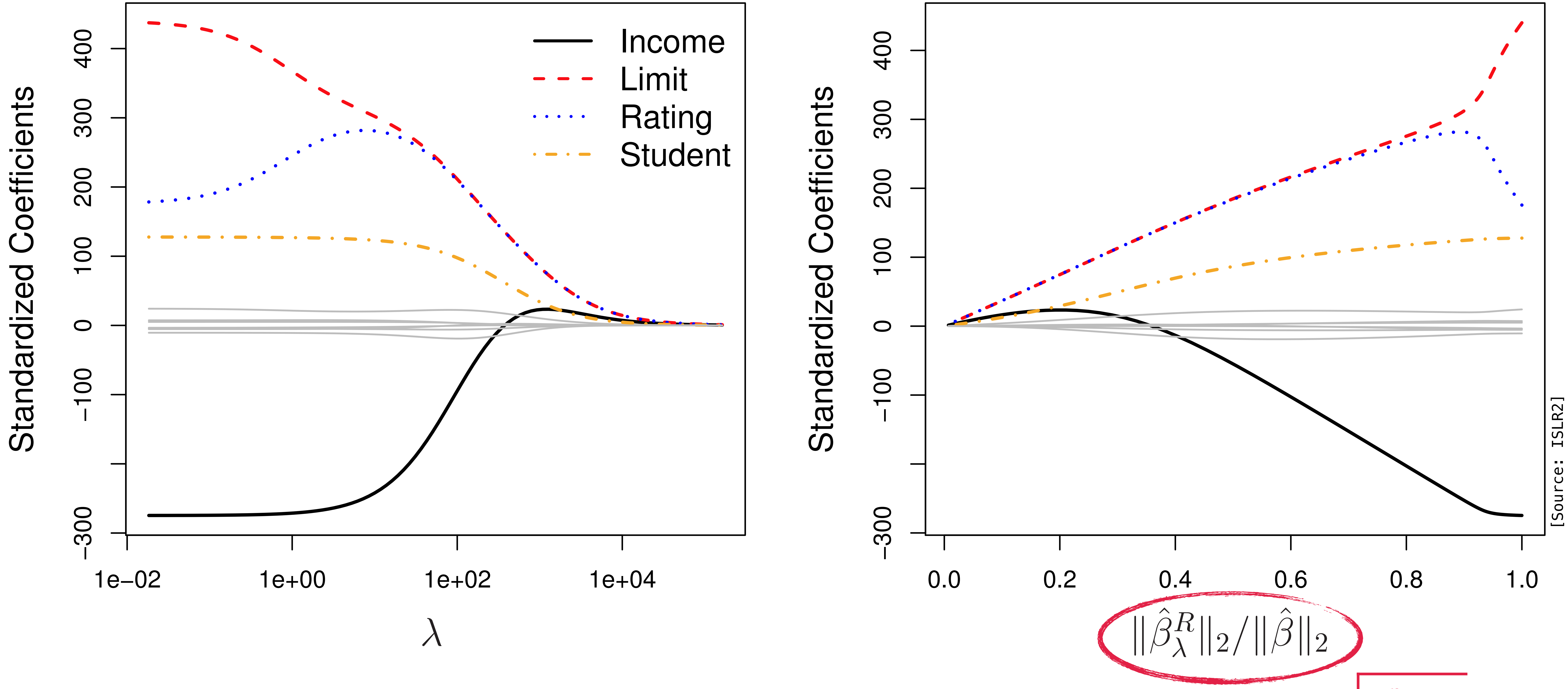
Ridge Regression

Regularization Paths



ℓ_2 norm $= \|\beta\|_2 = \sqrt{\sum_{j=1}^{p} \beta_j^2}$

Ridge Regression

Advantage 1: Multicollinearity (a simulation study)