Power

\* Power for an interaction (in a factorial design)

\* Power for a binary variable (versus a continuous variable?)

\* Power from adding covariates in the analysis stage

\* Power gains from blocked randomization

\* Power losses from clustering at different levels

\* Controlling the ICC directly? (see book cluster designs section)

Gain from covariates

Equation (4.6) in FEDAIsiggests that if the sum of two slopes exceeds 1 then there are gains in efficiency from adding a covariate. Show that this is true I npractice using a design declaration.