Centering approach

2-dim RD design

treat if $x_1 < 0$ or $x_2 \leq 0$

A(1, 0) treat $\xrightarrow{\text{min}}$ 0

B(0, 1) control $\xrightarrow{\text{min}}$ 0

cutoff = 0

Cannot summarize A, B
using 1-dim RD design!
(treat if $x > 0$ or treat if $x \geq 0$)

2-dim RD $\qquad \xrightarrow{\text{Centering}} \qquad$ 1-dim RD