

$N = 1000$

$Y_{0i} \sim \text{NB}(\lambda)$ \rightarrow Baseline Outcome $\Delta Z1$.

$\underline{\underline{Z_i}} \leftarrow 1 \text{ or } 0$

$\underline{\underline{Y_{1i}}} \sim Y_0 + \underline{\underline{Z_i}}$
 $\underline{\underline{Z_i}} \leq 0$
 vector

$\text{NB}(\lambda)$
 $N(2, 1)$

effects.
hetero

$$Y_1 = Y_0 + Z_i \cdot SD(Y_0) \rightarrow R.$$

Draw Trt.
Sample $(0, 1, \dots)$

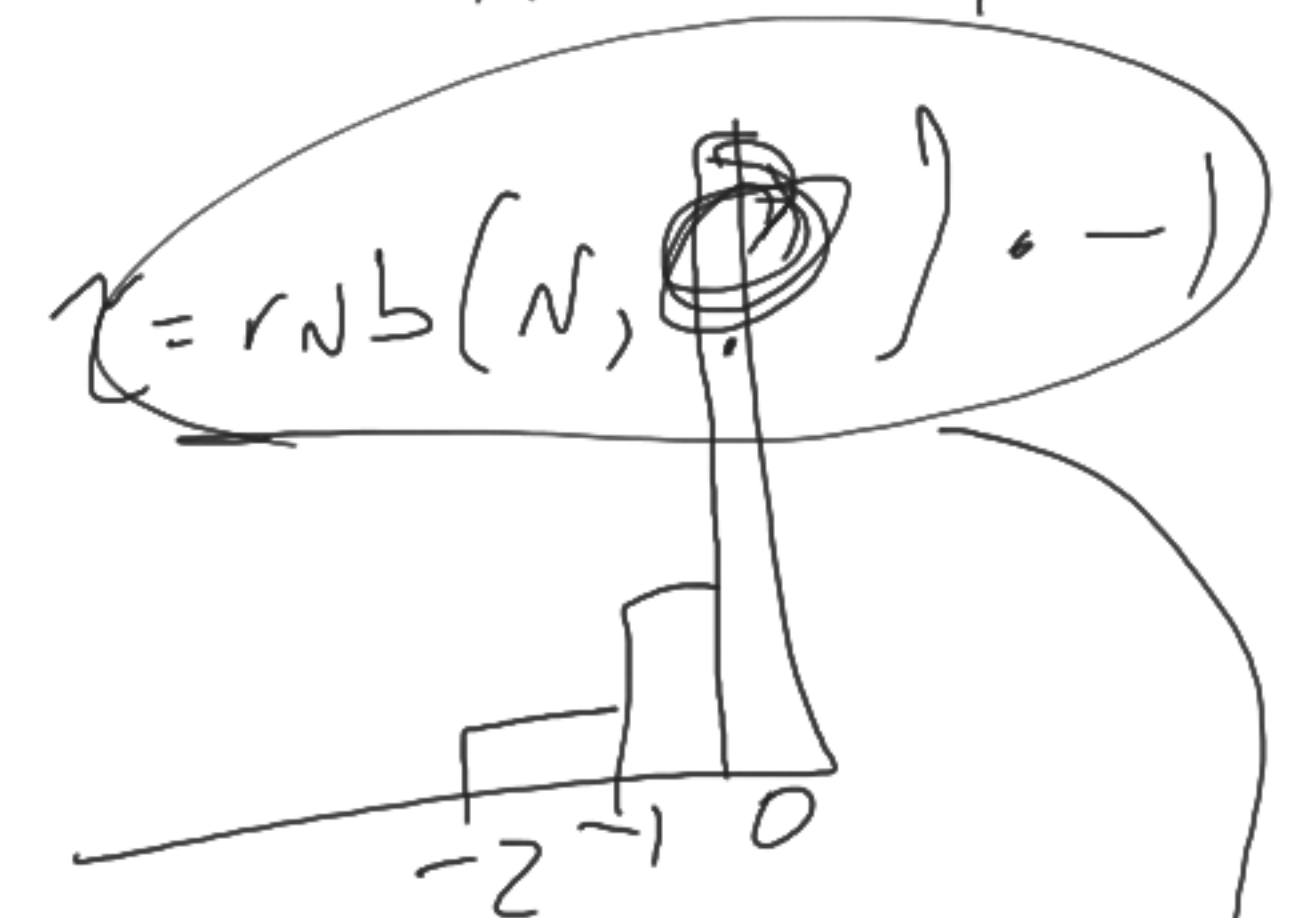
$\text{Trt} = \text{ifelse}(t < 3, 0, 1)$

$Y = \text{Trt} \cdot Y_1 + (1 - \text{Trt}) \cdot Y_0$

$PE \approx 7.05?$
 $\ln(Y_{\text{trt}} + \dots)$

ω	y_0	τ	y_1	$\frac{t_r t}{1}$	$\frac{Y}{0}$
1	0	0	0	1	0
2	0	0	0	0	0
3	10	-1	9	1	9
.
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$$Y = y_1 \cdot t_r t + y_0 \cdot (1 - t_r t)$$



$$\tau = \text{ifelse}(y_0 \neq 0, 1, 0)$$

$$y_{t=4} = \beta_0 + \beta_1 z + \beta_2 y_{t=3} + \beta$$

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$$y_{t=0} = y_{t=3} = y_{t=2} = y_{t=1}$$

i	y_{i4}	$y_{3(i=2,1)}$	trt
1	0	0	1
2	10	11	1
3	20	20	0

