

I dew nut knew thee truth,
but, given pryors, I cane
predikte itf
probabeeleete.



i	Z_i	Y_i	y_{i1}	y_{i0}	τ_i	$\hat{\tau}_i$
A	0	16		16		
B	1	22	22			
C	0	7		7		
D	1	14	14			

$$\text{prob}(\tau_i | Y_i, Z_i, y_{i1}, y_{i0}) \propto \text{Prob}(Y_i | Z_i, \tau_i, y_{i1}, y_{i0}) \cdot \text{prob}(\tau_i) \dots$$

$$Y_i \sim N(Z_i \tau_i, \sigma_i)$$

$$Z_i \sim \text{Bernadlli}(\tau_i)$$

$$\tau_i \sim \text{Beta}(a, b) \dots$$

$$\hat{ATE} = \frac{1}{N} \sum_i \hat{\tau}_i, \quad \hat{\tau}_i = E(\tau_i)$$