Exchangeobility de-Finetti theorem		
· Eight-school example revisit:		
ABCDEFGH		
casual inference based on Sobservorional studies		
l.g. smoking > cancer? closigned experiments		
We throw a specific public, by herenicity a direction		
for asual inference.		
Treatment Control Peach student can		
Yill) ? only put into		
Yill) ? only put into ? Yi'(0) one group.		
But treatment effect: \(\fi(1) - \fi(0)\)		
V Kich - Kico)		
Solution: Solution: Shedued - look at Student		
SAT sure performance clusters.		
use this result to decide		
Which student to treatment commonly		
group		

After the above preprocessing.
$(j_j \sim N(0_j, \sigma_j^2)$
estimated treatment effect for school j.
$\Theta_j \sim N(\mu, \tau^2)$, $p(\mu, \tau^2) \propto p(\tau^2)$
Choice of T2 distribution: D p(T) & 1, p(10g T) & (=) P(t) &= V
proper posterior. improper posterior.
Joint Rostenbr dis' PCMT2, DISTYIS) Method (1, 2, 3
$P(M, \tau^2 y : \tau) \propto P(\tau) \prod_{j \neq j} \frac{1}{j + j^2} e^{\frac{(y_j - M)^2}{2(\tau^2 + j^2)}}$
Grid Approximation Wt. yii \(\frac{5}{2} \frac{1}{1} \langle (\tau^2 + \bar{\bar{\bar{\bar{\bar{\bar{\bar{

Gaussian - Gaussian Single param modelle Another way mention: PCMITIGITA PLT) [IL ZC) (finite imagras -): -) o: still boundled since Fift only p(t) matters, ptz) L/z > problem! purx1

Sampling procedure: (XGibbs) condition	nul iterations
1. T(1) ~ P(T/ 4:5)	and approved the
	grid approximation.
2. mi) ~ P (mlti) yi:J) 3. Ojci) ~ P (Ojlmito) yi:J)	Gaessia.
3. Oci) ~ P (Dil MITE)	Gaussian
samples Pynt2, Dis 1 yis	1)