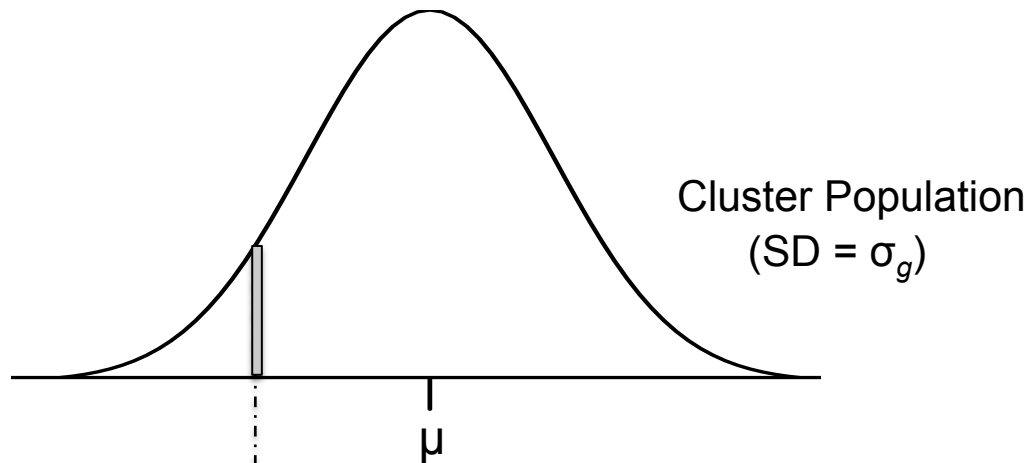
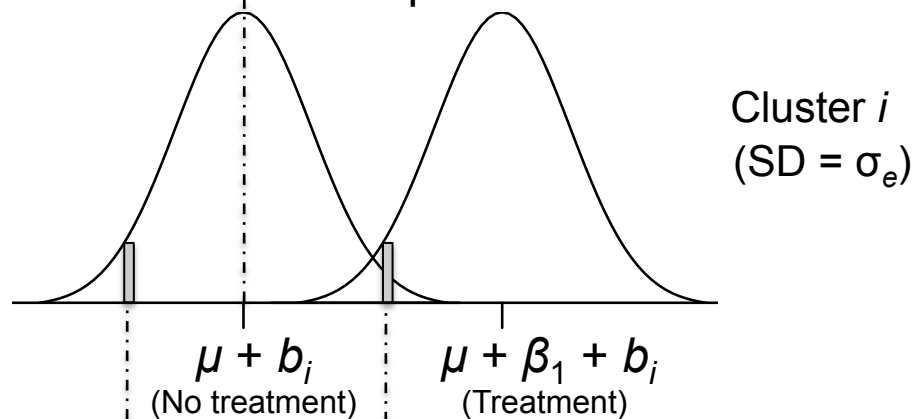


Simulation Steps

1. Assume a baseline mean and cluster level standard deviation



2. Draw a random effect b_i for each cluster i



3. Assign treatment or no treatment to cluster i

4. Draw error term for child j in cluster i , compute y_{ij}

$y_{ij} = \mu + b_i + \varepsilon_{ij}$ or $y_{ij} = \mu + \beta_1 + b_i + \varepsilon_{ij}$ Child ij