10 committee members

100 applicants

each application read by 3 people

ratings 1 to 10

$$y_i = \frac{1}{6} \sum_{j=1}^{6} X_j S_{ij}$$
 $y_i \sim N(1, \sigma^2)$

i indexes applicants

j indexes raters

$$y_j \sim N(1, \sigma_j^{-2})$$

$$\sigma_j = e^{s_j \beta}$$

data		
applicant	rater	Score
1 2 2 2	A B C B C D	7 8 6 4 4 5
,		