$$f_a \sim \mathcal{U}\left(arepsilon, 2ar{f} - arepsilon
ight), \quad a = 1, 2, \ldots, 7$$
 For $a = 1, 2, \ldots, 7$ For each $i \in \mathcal{I}$ $X_{ia}^{ ext{int}} \sim B^{-1}\left(Y_{ia}^{ ext{unif}}; n = 2, p = f_a
ight)$