

$$W^{A}(s) := Y_{ik}(s) \exp(\Lambda_{i}^{T}(r = S_{ik} + s|Z(r)) - \Lambda_{i}^{T}(r = S_{ik}|Z(r)))$$

$$W^B(s) := Y_{ik}(s) \frac{\exp(\Lambda_i^T(r = S_{ik} + s | Z(r)) - \Lambda_i^T(r = S_{ik} | Z(r)))}{\exp(\Lambda_{iL}^T(s = s | Z(S_{ik})))}$$