MLE Voting Rules via Bregman Divergence

June 10, 2013

1 Results II: Pairwise Comparison Representation

1.1 Additional Notation

The pairwise comparison representation ϕ^{PC} is given as follows. For any ranking σ and for i and j in $[1, n]$ with $i \neq j$, we have

$$\phi_{ij}^{\mathrm{PC}}(\sigma) = \begin{cases} 1 & \text{if } \sigma(i) < \sigma(j), \\ 0 & \text{otherwise.} \end{cases}$$

1.2 The MM method with PC representation