Jackson Norris

CSC 375

Dodgson vs. Margin of Victory

The Margin of Victory method (MoV) is a method that determines how many preference swaps are required to move an alternative in or out of the winning set. For an alternative to have a positive MoV means that the alternative is in the winning set, and a negative MoV means that the alternative is outside the winning set. Dodgson’s method requires find the minimum number of pairwise preference swaps it requires to make a particular alternative a winner. I find the Margin of Victory method to be a satisfying way to refine the winning set because it gives us a good scale to evaluate a relative rankings system for a set of alternatives. Dodgson’s method is computationally very expensive and only provides us a winner – not how many swaps it takes to get in or out of the winning set.