Abstract

Cricket sport is a favorite source of entertainment in commonwealth countries. Traditionally in cricket, the performance of the team measures after winning or losing a match. The international cricket council (ICC) is a governing body that ranks cricket teams globally without considering the strength and weakness of the region. Region-based team's strength and weakness is an essential factor for the teams' selection. In this paper, we proposed the Region-wise Team Rank (RWTR), an extension of the PageRank algorithm to rank cricket teams across the region. The intuition is to get more points to a team that wins a match from a stronger. The proposed ranking reflects more the flow of the game compared to the traditional ranking.

References

1–17, 2015.


Index Terms

Computer Science

Algorithms

Keywords
PageRank, Principal Component Analysis (PCA), region strength, team's strength.