Abstract

In this paper, a new MAYO Index is presented for deeper analytics of the price and performance of IPL players in IPL season IX. The MAYO index is comprehensive in terms of including both price and performance in one index. This is in contrast to the popular indices like batting and bowling averages and MVPI that only measure performance. The index is created with the help of machine learning technique called Random Forests. The analytics provide deeper insight into the complex problem of understanding how the performance of the players of different franchises and countries was and provides clues for better management practices in terms of player acquisition. The players to watch for in future are clearly identified and so are those who did not perform according to expectations.

References

2. Clarke, S R, “Dynamic programming in one day cricket - optimal scoring rates,” Journal of
the Operational Research Society, 50, 1988, pp 536 – 545.
Royal Statistical Society, 156, 1993, pp 443 – 455.
Proceedings of the 7th Australasian Conference on Mathematics and Computers in Sport, 2004,
pp 226 – 232.
5. Owens, M and Bukeit, B, “A mathematical modeling approach to one day cricket batting
7. Saikia, Hemanta and Bhattacharjee Dibojyoti, “A Bayesian Classification Model for
Predicting the Performance of All-Rounders in the Indian Premier
Deep Performance Index for Ranking IPL T20 Cricketers”, International Journal of Computer
Performance Index using Machine Learning for ranking IPL Cricketers”, Int. Jl. of Electronics,
Electrical and Computational System IJEECS ISSN 2348-117X Volume 5, Issue 2 February
2016.
10. C.Deep Prakash , “A New Team Selection Methodology using Machine Learning and
Memetic Genetic algorithm for IPL-9”, Int. Jl. of Electronics, Electrical and Computational
System IJEECS ISSN 2348-117X Volume 5, Issue 4 April 2016.
11. C. Deep Prakash, C. Patvardhan and C. Vasantha Lakshmi, “Team Selection Strategy in
IPL-9 using Random Forests Algorithm”, International Journal of Computer Applications (0975 –
8887) Volume 139 – No.12, April 2016.
es-to-7th-in-most-valuable-player-table/20150320.htm
player
statistics of each player

Index Terms

Computer Science Information Sciences

Keywords

Cricket, IPL, Random Forests, Data Analytics