

Determine the Criteria of Players' Performance on LPGA Tour

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ABSTRACT

This study was aimed to evaluate the performance of Ladies Professional Golf Association Tournament (LPGA Tour) players in 2008. The SBM-Non Oriented modes of data envelopment analysis (DEA) methods were used to calculate the overall efficiencies, slack variable analysis and sensitivity analysis of LPGA players. In this study, four input measures (greens hit in regulation, putts per green, sand saves, and driving distance) and one output measure (scoring average) were selected to be evaluation measures. Among 152 LPGA players, 4 players were evaluated to be overall efficient. Greens hit in regulation and putts per green were the two measures that mostly affect the performance of LPGA players. Lorena Ochoa was evaluated to be the benchmarks of other LPGA players. Finally, the study results are consistent with the players' actual performance, and serve as useful information and decision-making basis for the reference of the players and coaches. This study provided another practical case study in performance evaluation of golf players. Other researches in this area are expected to promote the golf development in our country.

Keywords : lpga、 performance evaluation、 dea

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