

As a result of the above, the following is proposed for the purpose of the present study: *H1*: The perceived effort of the participants will be positively related to the perceived exertion of the participants. *H2*: The perceived effort of the participants will be positively related to the perceived exertion of the participants.

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Figure 6. The effect of the number of iterations on the performance of the proposed algorithm. The figure shows the average fitness value over 10 runs for different numbers of iterations (100, 200, 300, 400, 500). The fitness value generally increases with the number of iterations, indicating improved performance as the algorithm converges.

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