

## ANALYSIS OF THE BEST WOMEN'S HIGH JUMP RESULTS IN THE OLYMPIC GAMES HISTORY

### **Abstract**

*The aim of the investigation was to analyse women's high jump performances in the Olympic Games' history. Analysis covers results of the gold, silver and bronze women medallists in Olympic high jumping. The possibilities of forecasting performances on the polynomial linear regression basis were commented. The dynamics of results progression was explained. Analysis was based on the results of 60 women athletes, winners of the gold, silver or bronze medal at the Olympic Games since 1928 in Amsterdam until 2012 in London.*

**Key words:** *high jump, history of Olympic Games, regression analysis, best results*

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