

Swimming performance: Regression analysis

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5/14/2020

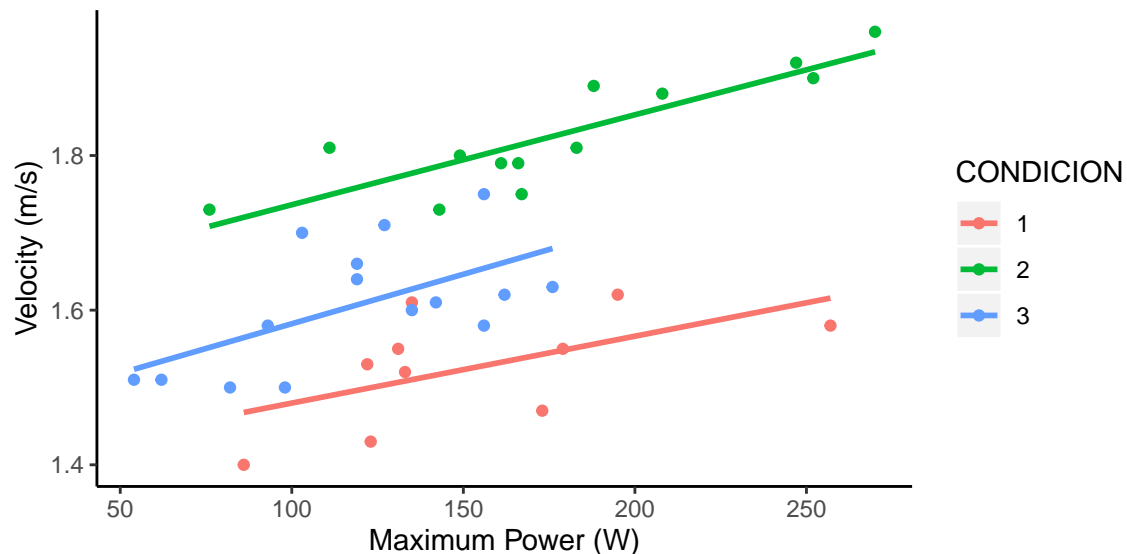
Relationship between sprint swimming velocity and power output

Previous research has explored the relationship between **swimming velocity** and **power output** in highly trained swimmers. However, what these studies had in common it was their heterogeneity. It means that different levels of skilled swimmers were included in the samples. Therefore, it was easier to find significant correlations between the two investigated variables. Thus, we aimed to: - Investigate the relationship between **swimming velocity** and **power output** in different group of swimmers. - Model the relationship between thw investigated variables for each group of swimmers

Methods

This was a quasi-experimental study. 38 swimmers (height: 175 ± 15 cm; arm span: 180 ± 11 cm; VO^2_{max} : 61 ± 7.3 mL/kg/min⁻¹) volunteered for the study.

Results



Conclusion

There is a strong relationship between swimming velocity and power output regardless of skill level.