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New Regression Equations for Estimating the Maximal Oxygen Uptake of College of Physical Education and Sports Students in Turkey

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Suggested Citation:

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Abstract

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* EES S SS E Mehmet Fatih Akay

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1. Introduction

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2. Dataset Generation

Table 1.Descriptive statistics of the dataset.

Predictor Variables	Sample Mean $\pm$ SD	Range	Validation Sample Mean $\pm$ SD	Range
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3. Results and Discussion

$$SEE = \sqrt{\frac{\sum(Y - Y')^2}{N}}$$

(1)

$$R = \sqrt{1 - \frac{\sum(Y - Y')^2}{\sum(Y - \bar{Y})^2}}$$

(2)

Y

N

Y'

$\bar{Y}$

Table 2.**SEE** and **R** values of VO₂max prediction models.

MODELS		SAMPLE GROUP		VAL DAT ON GROUP	
Model No	Variables	SEE (mL.kg ¹ .min ⁻¹)	R	SEE (mL.kg ¹ .min ⁻¹)	R
		S			
		S			
			S		
			S		
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Figure1.Average **SEE**'s of the prediction models for the sample group.

Figure 2.Average **SEE**'s of the prediction models for the validation group

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4. Conclusion

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References

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