

# LUCAS VERAS



## EDUCATION

Current  
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2019

- **PhD in Physical Activity and Health**  
Faculty of Sports, University of Porto 📍 Porto, Portugal
  - Focused on accelerometry-based models to measure physical activity related to bone health.

2019  
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2017

- **Master's Degree in Physical Activity and Health**  
Faculty of Sports, University of Porto 📍 Porto, Portugal
  - Thesis: Calibration and validation of accelerometers: Establishing new equations for energy expenditure and ground reaction force prediction.

2015  
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2012

- **Bachelor's Degree in Physical Education**  
Faculty Estácio of Alagoas 📍 Maceió, Brasil



## PAPERS

2021

- **The effect of bariatric surgery on gravitational loading and its impact on bone mass**  
Bone
  - Diniz-Sousa F, Veras L, Boppre G, Devezas V, Santos-Sousa H, Preto J, Machado L, Vilas- Boas JP, Oliveira J, Fonseca H.

2021

- **Can exercise promote additional benefits on body composition in patients with obesity after bariatric surgery? A systematic review and meta-analysis of Randomized Controlled Trials**  
Obesity Science & Practice
  - Boppre G, Diniz-Sousa F, Veras L, Oliveira J, Fonseca H

2021

- **How Does Bariatric Surgery Affect Fall Risk Factors?**  
Obesity Surgery
  - Diniz-Sousa F, Veras L, Boppre G, Devezas V, Santos-Sousa H, Preto J, Machado L, Vilas- Boas JP, Oliveira J, Fonseca H.

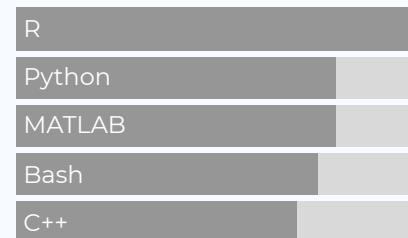
2021

- **Wearable Devices for Physical Activity and Healthcare Monitoring in Elderly People: A Critical Review**  
Geriatrics
  - Teixeira E, Fonseca H, Diniz-Sousa F, Veras L, Boppre G, Oliveira J, Pinto D, Alves AJ, Barbosa A, Mendes R, Marques-Aleixo I.

## CONTACT

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 [lucasdsveras](#)  
 [github.com/verasl](#)  
 [lveras.com](#)

## PROGRAMMING SKILLS



*View this CV [online](#)*

*The source code is available on [GitHub](#).*

*Last updated on 2021-09-23.*

- 2021
- **The Effect of an Exercise Intervention Program on Bone Health After Bariatric Surgery: A Randomized Controlled Trial**  
Journal of Bone and Mineral Research
    - Diniz-Sousa F, Veras L, Boppre G, Sa-Couto P, Devezas V, Santos-Sousa H, Preto J, Machado L, Vilas-Boas JP, Oliveira J, Fonseca H.
- 2020
- **Accelerometer-based prediction of skeletal mechanical loading during walking in normal weight to severely obese subjects**  
Osteoporosis International
    - Veras L, Diniz-Sousa F, Boppre G, Devezas V, Santos-Sousa H, Preto J, Machado L, Vilas-Boas JP, Oliveira J, Fonseca H.
- 2020
- **Accelerometry calibration in people with class II-III obesity: Energy expenditure prediction and physical activity intensity identification**  
Gait and Posture
    - Diniz-Sousa F, Veras L, Ribeiro JC, Boppre G, Devezas V, Santos-Sousa H, Preto J, Machado L, Vilas-Boas JP, Oliveira J, Fonseca H.



## CONFERENCE PROCEEDINGS

- 2020
- **Walking ground reaction force prediction based on raw acceleration in normal weight to severely obese subjects**  
In: 13<sup>th</sup> Meeting of Young Researchers of University of Porto  
📍 Porto, Portugal
    - Veras L, Diniz-Sousa F, Boppre G, Devezas V, Santos-Sousa H, Preto J, Machado L, Vilas-Boas JP, Oliveira J, Fonseca H.
- 2020
- **Effects of bariatric surgery and an exercise intervention on physical activity in severe obese patients**  
In: 13<sup>th</sup> Meeting of Young Researchers of University of Porto  
📍 Porto, Portugal
    - Seixas E, Diniz-Sousa F, Boppre G, Veras L, Granja T, Pereira F, Villares A, Fonseca H, Oliveira J.
- 2020
- **Effects of a physical exercise program on bone metabolism of obese patients undergoing bariatric surgery**  
In: 13<sup>th</sup> Meeting of Young Researchers of University of Porto  
📍 Porto, Portugal
    - Villares A, Diniz-Sousa F, Boppre G, Veras L, Oliveira J, Fonseca H.

2020

- Does participation in a multicomponent exercise training program provide added cardiometabolic risk factors following bariatric surgery compared to surgery alone?  
In: 13<sup>th</sup> Meeting of Young Researchers of University of Porto  
📍 Porto, Portugal
  - Silva-Pereira F, Boppre G, Veras L, Diniz-Sousa F, Fonseca H, Oliveira J, Machado L, Vilas-Boas JP.

2019

- Accelerometer calibration: The importance of individual resting metabolic rate measurement to correctly identify moderate-to-vigorous physical activity intensity  
In: 23<sup>rd</sup> Portuguese Congress of Obesity  
📍 Braga, Portugal
  - Veras L, Diniz-Sousa F, Boppre G, Devezas V, Santos-Sousa H, Preto J, Machado L, Vilas-Boas JP, Oliveira J, Fonseca H.
- Moderate-to-vigorous physical activity intensity cut-point for walking steps in patients with class II-III obesity  
In: 23<sup>rd</sup> Portuguese Congress of Obesity  
📍 Braga, Portugal
  - Veras L, Diniz-Sousa F, Boppre G, Devezas V, Santos-Sousa H, Preto J, Machado L, Vilas-Boas JP, Oliveira J, Fonseca H.

2019

- Is the correct accelerometer placement at the waist such a big deal?  
In: 23<sup>rd</sup> Portuguese Congress of Obesity  
📍 Braga, Portugal
  - Veras L, Diniz-Sousa F, Boppre G, Devezas V, Santos-Sousa H, Preto J, Machado L, Vilas-Boas JP, Oliveira J, Fonseca H.

2019

- The effect of ActiGraph filtering on raw acceleration metrics and its influence on energy expenditure prediction accuracy  
In: 23<sup>rd</sup> Portuguese Congress of Obesity  
📍 Braga, Portugal
  - Veras L, Diniz-Sousa F, Boppre G, Devezas V, Santos-Sousa H, Preto J, Machado L, Vilas-Boas JP, Oliveira J, Fonseca H.

2019

- Development of walking energy expenditure prediction models for patients with severe obesity based on raw acceleration and its comparison with those developed for non-obese subjects  
In: 23<sup>rd</sup> Portuguese Congress of Obesity  
📍 Braga, Portugal
  - Veras L, Diniz-Sousa F, Boppre G, Devezas V, Santos-Sousa H, Preto J, Machado L, Vilas-Boas JP, Oliveira J, Fonseca H.

- 2019
- Effectiveness of an exercise intervention program on the prevention of bone mineral density loss 1-year after bariatric surgery: BaSEIB clinical trial  
In: 23<sup>rd</sup> Portuguese Congress of Obesity  Braga, Portugal
    - Diniz-Sousa F, Boppre G, Villares A, **Veras L**, Seixas E, Pereira F, Granja T, Devezas V, Santos-Sousa H, Preto J, Machado L, Vilas-Boas JP, Oliveira J, Fonseca H.
- 2019
- Exercise training effectiveness on the improvement of clinical cardiometabolic risk factors after Roux-en-Y Gastric Bypass: A systematic review and meta-analysis  
In: 23<sup>rd</sup> Portuguese Congress of Obesity  Braga, Portugal
    - Boppre G, Diniz-Sousa F, **Veras L**, Oliveira J, Fonseca H
- 2018
- Estimation of ground reaction forces during walking in adult patients with class II-III obesity based on accelerometer data  
In: 22<sup>nd</sup> Portuguese Congress of Obesity  Lisboa, Portugal
    - **Veras L**, Diniz-Sousa F, Boppre G, Devezas V, Santos-Sousa H, Preto J, Machado L, Vilas-Boas JP, Oliveira J, Fonseca H.

## AWARDS

- 2021
- Student Sponsorship, ActiGraph Digital Data Summit
- 2020
- Best Oral Communication in Sports Sciences, 13<sup>th</sup> Meeting of Young Researchers of University of Porto
- 2019
- Prize for Best Work in Physical Activity, 23<sup>rd</sup> Portuguese Congress of Obesity