

Yuntae Ju

Department of Physical Education, Yonsei University

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EDUCATION

Yonsei University, Seoul, Korea

2025 - 2027

M.S in Physical Education (Exercise Physiology)

Yonsei University, Seoul, Korea

2019 - 2023

B.S. in Physical Education & B.A. in Economics

Graduated in the top 10%

MAJOR RESEARCH INTERESTS

Machine learning and decision optimization in elite sports, AI-based athlete health monitoring and anti-doping, socioeconomic modeling of performance disparities and access to sport participation

PUBLICATIONS

Kim, Y.-H., Lee, J.-H., Ju, Y.*, Oh, M., & Suh, S.-H. (2025). Satellite cell responses to exercise and nutritional interventions. *Journal of Coaching Development*, 27(10), 299–313.

Lee, J.-H., Kim, Y.-H., Ju, Y.*, Oh, M., & Suh, S.-H. (2025). Resistance exercise and protein supplementation strategies to overcome anabolic resistance in aging muscle: A review. *Journal of Coaching Development*, 27(10), 314–328.

Ju, Y.*, Ryoo, H., & Suh, S.-H. (2023). Clustering rookie Korean baseball pitchers and predicting potential by use of machine learning. *Journal of Coaching Development*, 25(2), 190–197.

CONFERENCES

Ju, Y.* & Suh, S.-H. (2025). Artificial intelligence–driven athlete performance passport for elite male weightlifting. 67th Sports Medicine Conference, Seoul, Korea.

RESEARCH & PROFESSIONAL EXPERIENCE

Researcher, Frontier Research Institute of Convergence Sports Science,
Yonsei University 2025 -

Active-Duty Officer, Republic of Korea Marine Corps 2023 - 2025
Honorable discharged as First Lieutenant (Reserves)

ROTC Cadet, Republic of Korea 2021-2023

TEACHING EXPERIENCE

Teaching Assistant, Health Education Spring 2025, Spring 2026

Teaching Assistant, Exercise Physiology Fall 2025

HONORS & AWARDS

Full Graduate Scholarship (M.S. Program), Yonsei University 2025 – Present

Jinri Scholarship for Academic Excellence, Yonsei University 2020, 2021, 2022

SKILLS

Programming & Data Analysis: Python, R, STATA, MATLAB, Tableau

Language Skills: Korean (Native), English (Fluent), Japanese (Intermediate)

MATHEMATICS & STATISTICS COURSEWORK

Calculus, Linear Algebra, Mathematical Statistics, Real Analysis, Econometrics,
Mathematical Economics, Game Theory, Financial Engineering

CERTIFICATION

KBO Official Scorer, Korea Baseball Organization