

# **Yuntae Ju**

Department of Physical Education, Yonsei University  
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## **EDUCATION**

<b>Yonsei University, Seoul, Korea</b> M.S in Physical Education (Exercise Physiology)	2025 - 2027
<b>Yonsei University, Seoul, Korea</b> B.S. in Physical Education & B.A. in Economics Graduated in the top 10%	2019 - 2023

## **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 Honorable discharged as First Lieutenant (Reserves)	2023 - 2025
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