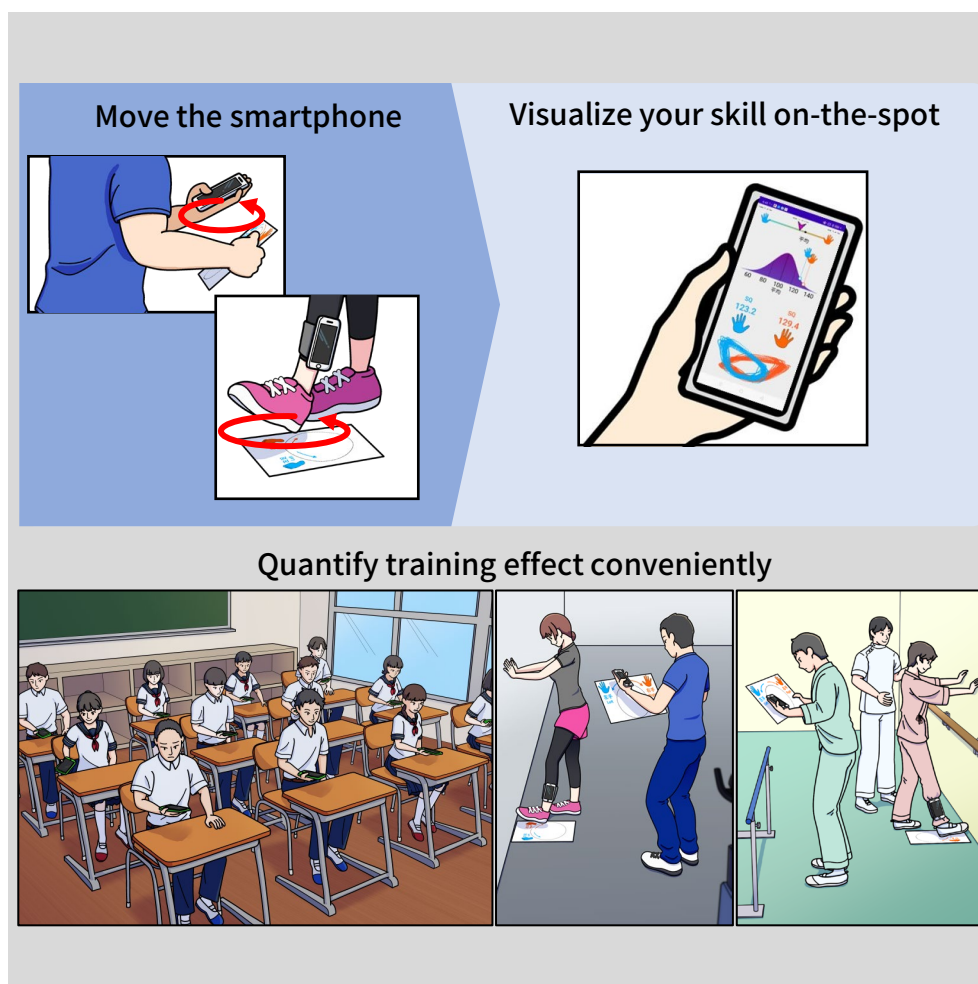


## Visualizing motor skill with a smartphone

Conveniently assessing hand and foot dexterity to quantify the effect of training and rehabilitation

#Well-being, Human Capital Management



### ///Technical Issue

Traditional assessments of hand and foot dominance used specialized equipment, making it inconvenient to measure motor skill.

### ///Research Goal

To develop and test a fast and convenient method to quantify motor skill.

### ---Technology

An algorithm developed by NTT to quantify skill by moving a smartphone.

### ---Novelty

Our method enables collection of large-scale movement data to compare motor skill relative to others of the same age. In a world first, we also demonstrate how forced use of the right hand leads to right-handedness and, surprisingly, right-footedness.

### ---Applicable Business

The effects of sports training and physical rehabilitation can be quantified (establishment of technology in 1-2 years).