

Supplemental Material

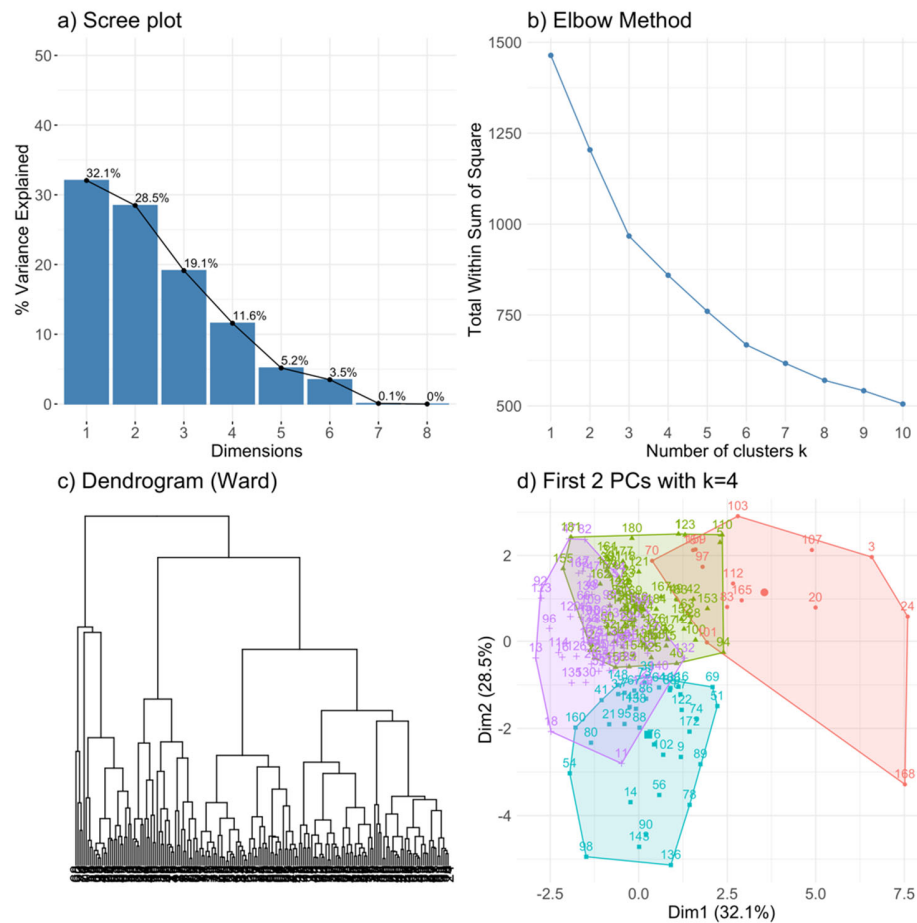


Figure S1. k-means clustering diagnostics for 4 clusters.

a) percent of variance explained from principal components analysis (PCA); b) “Elbow method” of within sum of squares estimated by different cluster k assignments; c) Ward method dendrogram; d): visualization of first two dimension of PCA analysis with cluster assignments overlaid.

Table S1. Cohen's D effect sizes for demographic and RAR characteristics based on Pittsburgh Fatigability Scale (PFS) perceived physical fatigability status (PFS Physical Score ≥ 15 versus PFS Physical Score < 15).

	Cohen's D Effect Size (95% CI)
Demographic Characteristics	
Age	-0.18 (-0.48, 0.12)
Short Physical Performance Battery	-0.31 (-0.62, 0.00)
Body mass index, kg/m ²	0.57 (0.26, 0.88)
Usual Gait Speed, m/s	-0.88 (-1.21, -0.54)
Physical activity (CHAMPS), MET-min/day	-0.29 (-0.60, 0.01)
Depression symptomology (CES-D), 0-30	0.52 (0.20, 0.83)
RAR characteristics	
# of observation days	-0.50 (-0.81, -0.19)
Alpha	0.23 (-0.08, 0.53)
Beta	0.19 (-0.11, 0.49)
Acrophase	0.25 (-0.06, 0.55)
Amplitude	-0.27 (-0.57, 0.03)
Mesor	-0.19 (-0.49, 0.11)
Up Mesor (hours)	0.45 (0.14, 0.76)
Down Mesor (hours)	0.04 (-0.26, 0.33)
Pseudo-F Statistic	-0.18 (-0.48, 0.12)