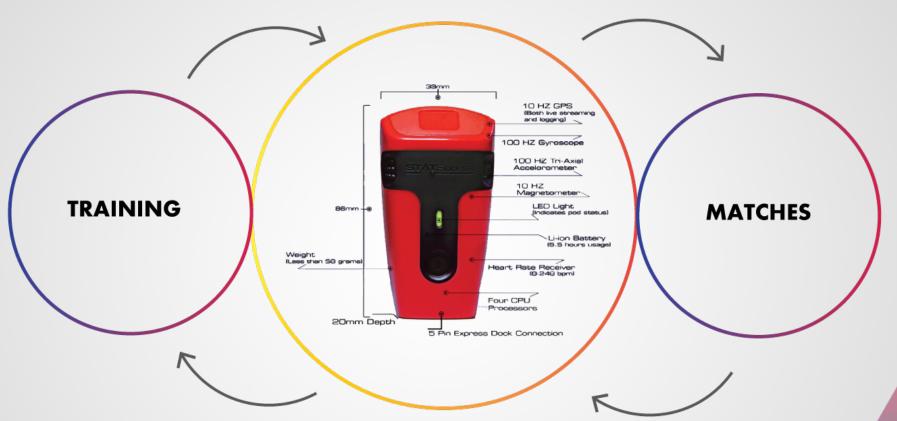
Does Training Affect Match Performance?

A Study Using Data Mining And Tracking Devices



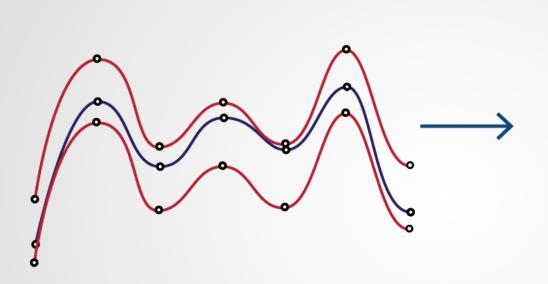


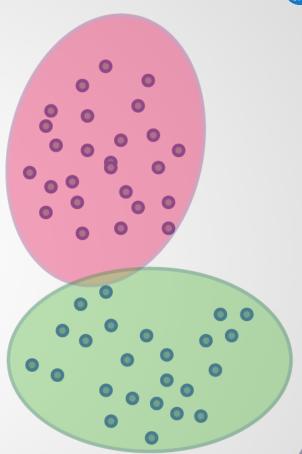




From Training Variation to Match Performance







Daniel Kahneman's and Aaron Coutts "Thinking, Fast and Slow"







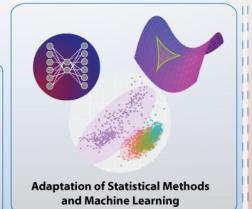






Building Dataset for Specific Purpose

Slow-Thinking



Validation of believes and observations

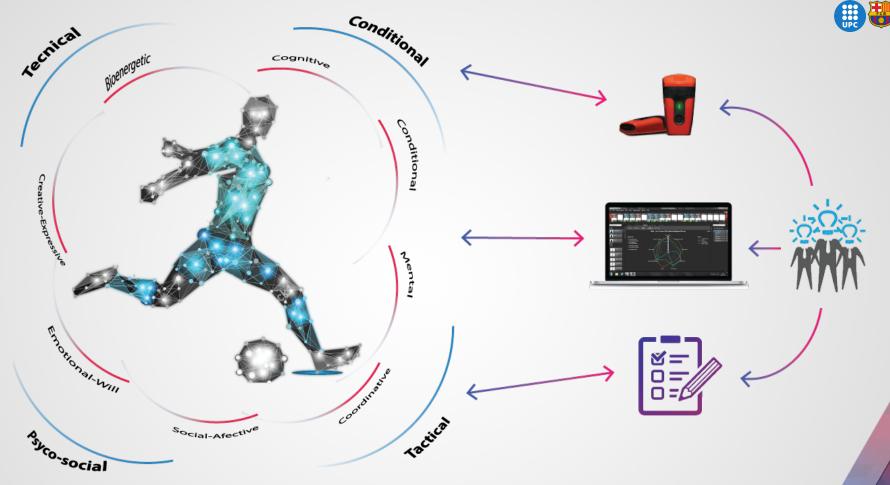
Findings and new observations

Creation of practical methods and software

Applicable Results

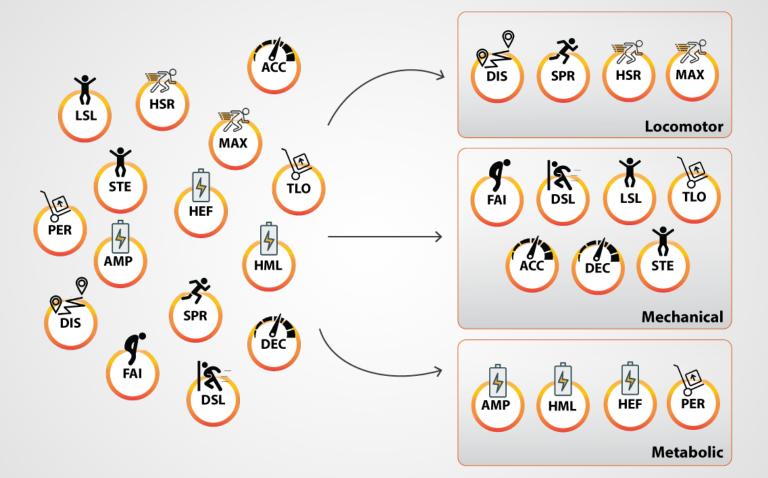
Fast-Thinking





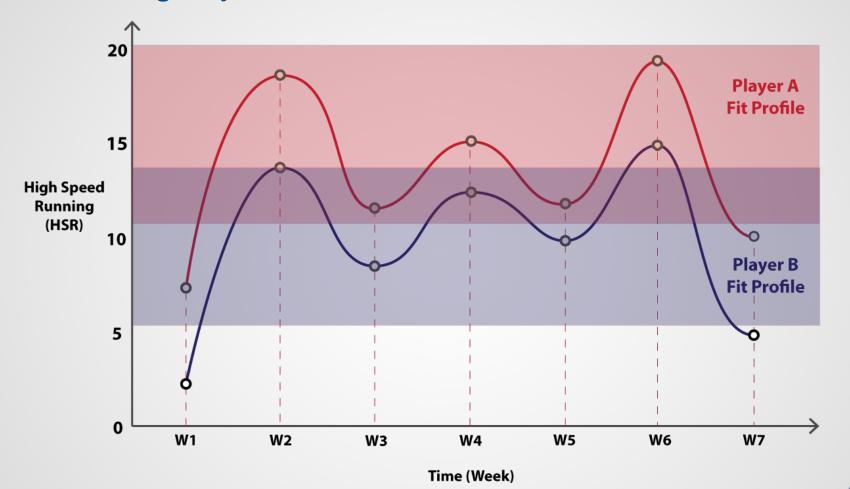
Structuring Physical Variables





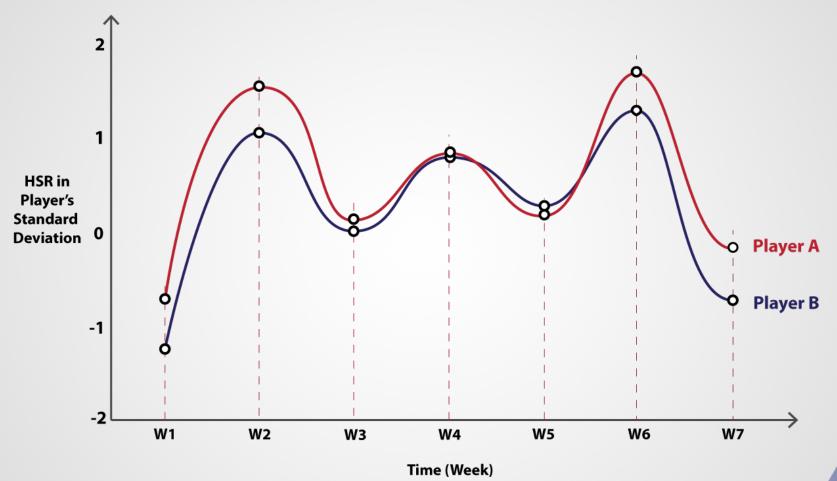
Observing Physical Variables in Time





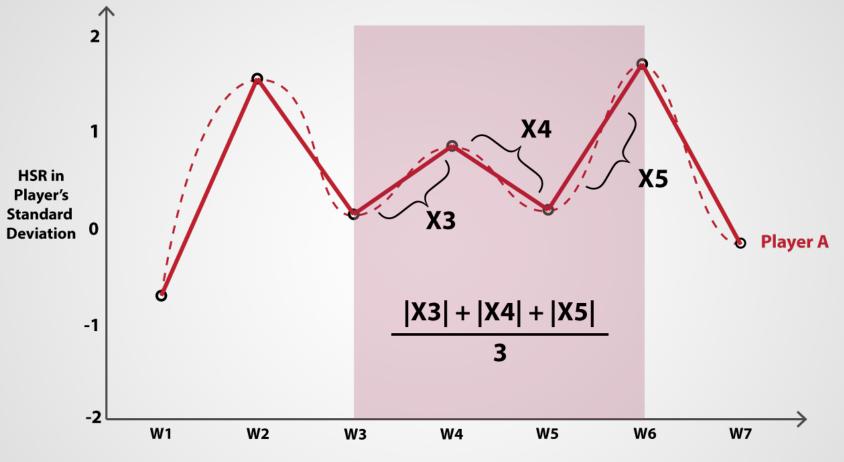
Normalizing to Compare Players Fairly





Calculating Magnitude of Variation/Oscillation

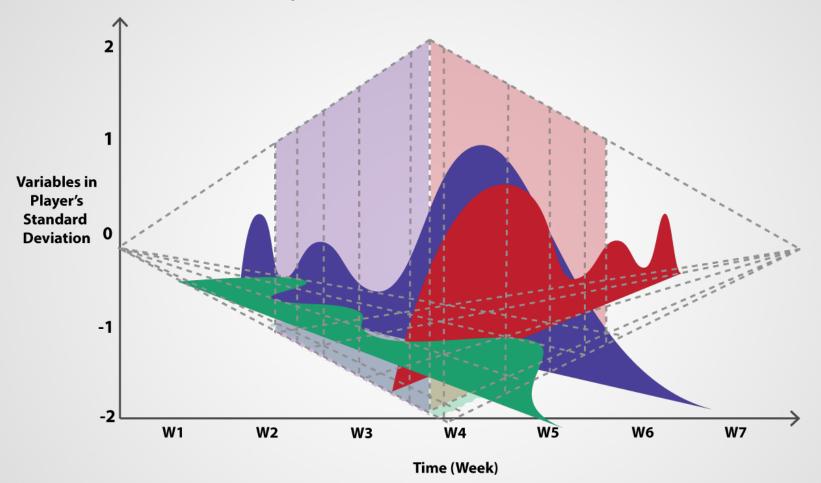




Time (Week)

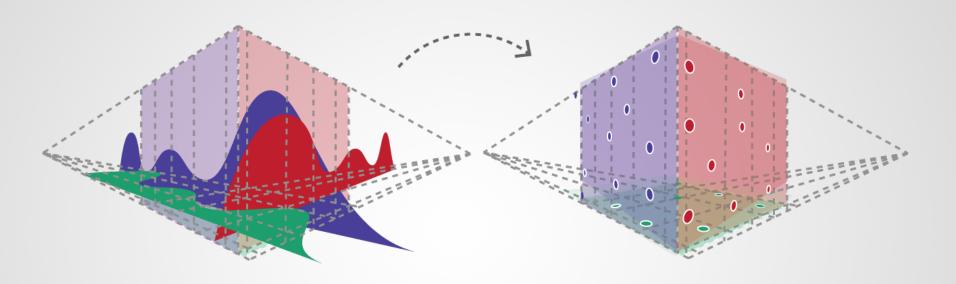
Multidimensional Space





Variations are Transformed into Data Points in 15-dimensions

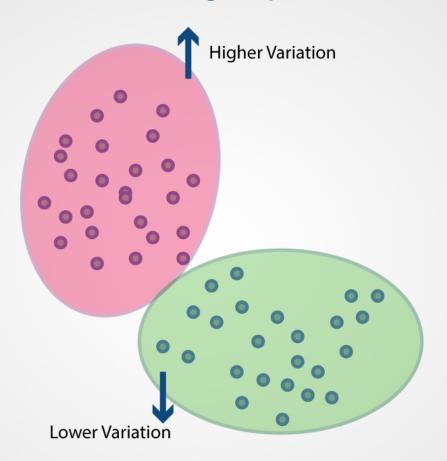






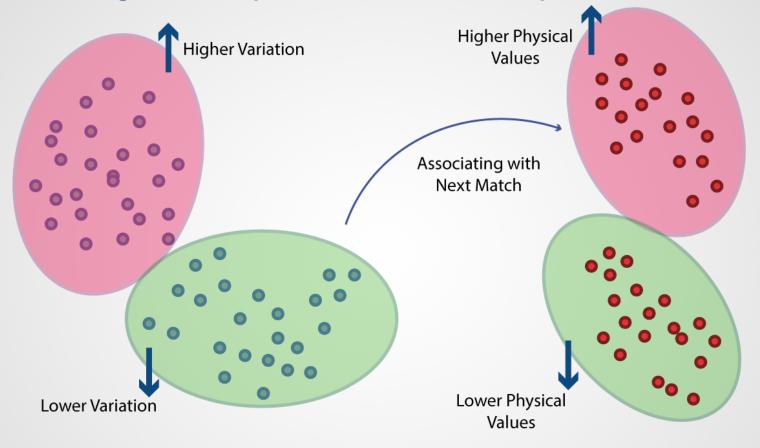
Cluster Analysis Over Training Physical Variables





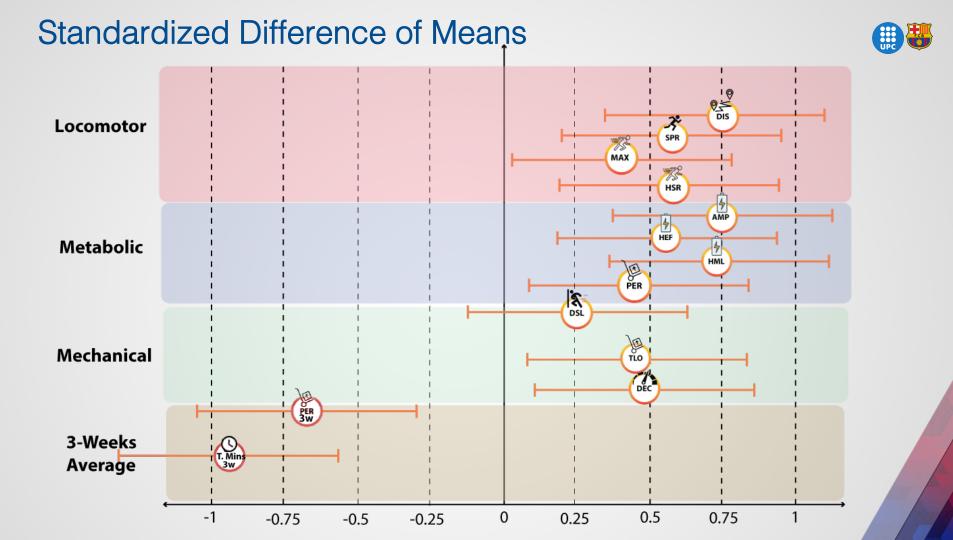
Associating with Player's Next Match Physical Variables





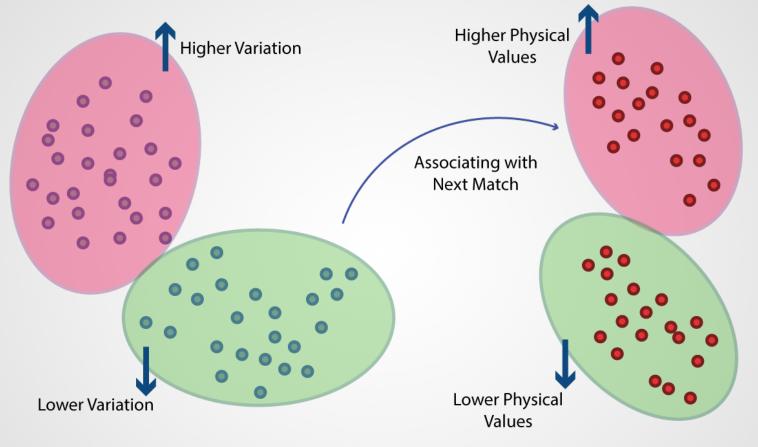
Training Variations

Match Performance



Good News (1)





Training Variations

Match Performance

Good News (2)



