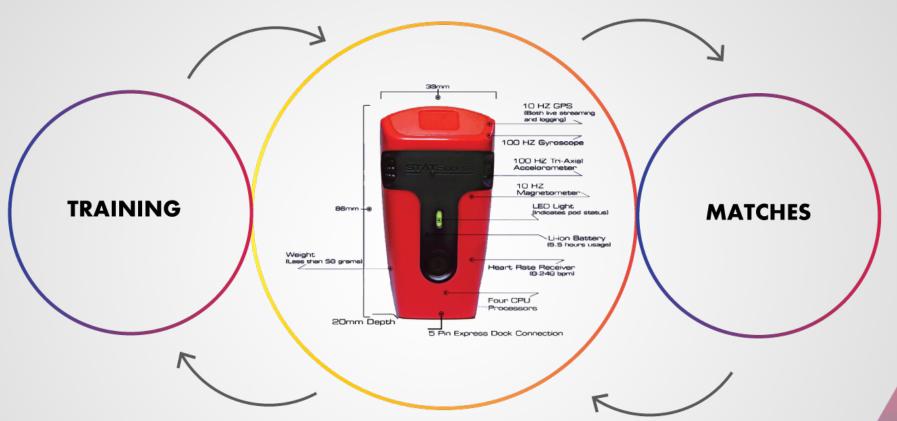
Does Training Affect Match Performance?

A Study Using Data Mining And Tracking Devices



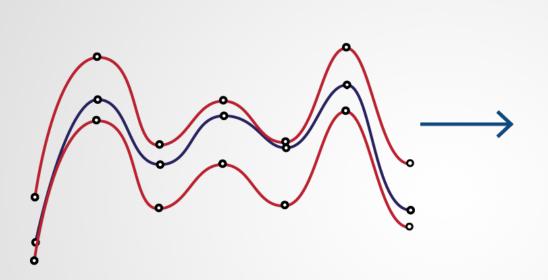


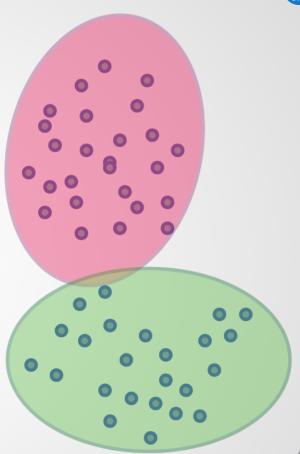




From Training Variation to Match Performance







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







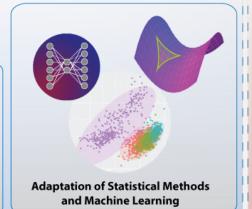






Building Dataset for Specific Purpose

Slow-Thinking



Validation of believes and observations

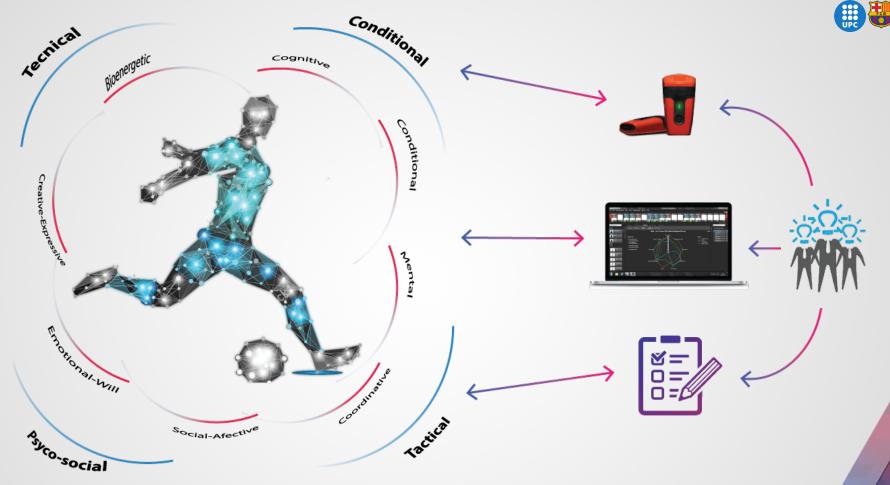
Findings and new observations

Creation of practical methods and software

Applicable Results

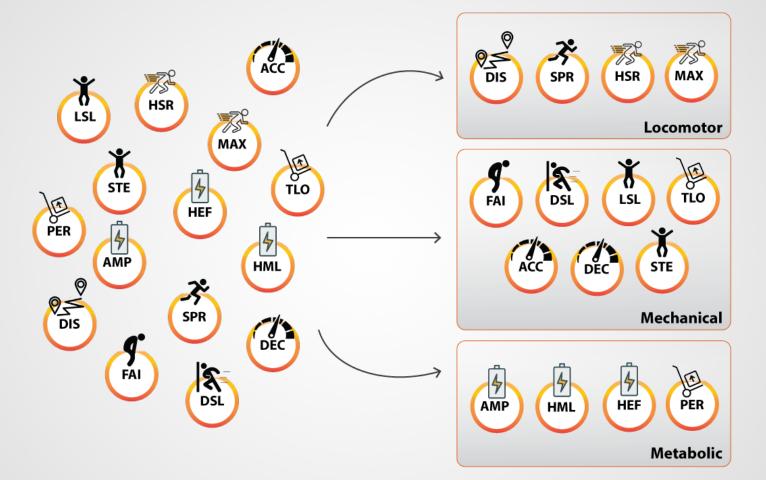
Fast-Thinking





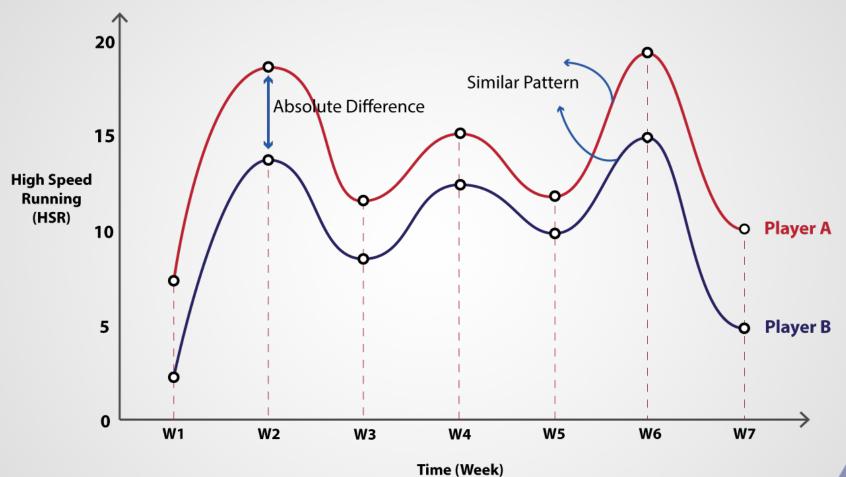
Structuring Physical Variables





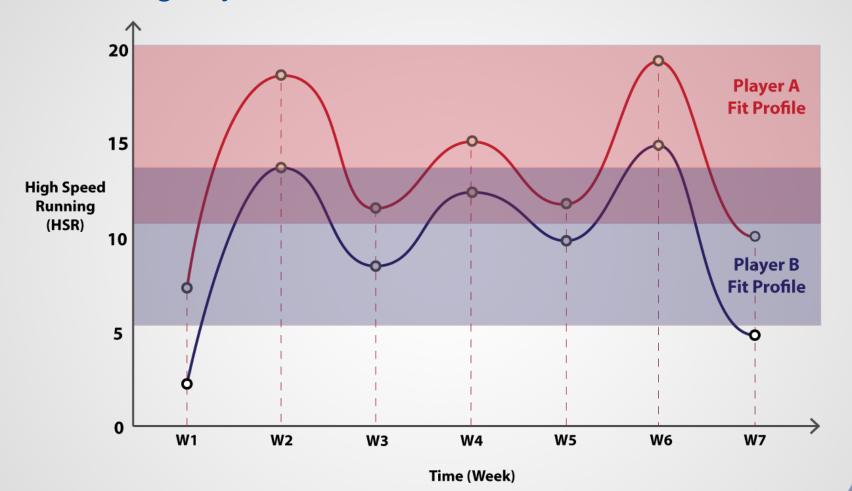
Observing Physical Variables in Time





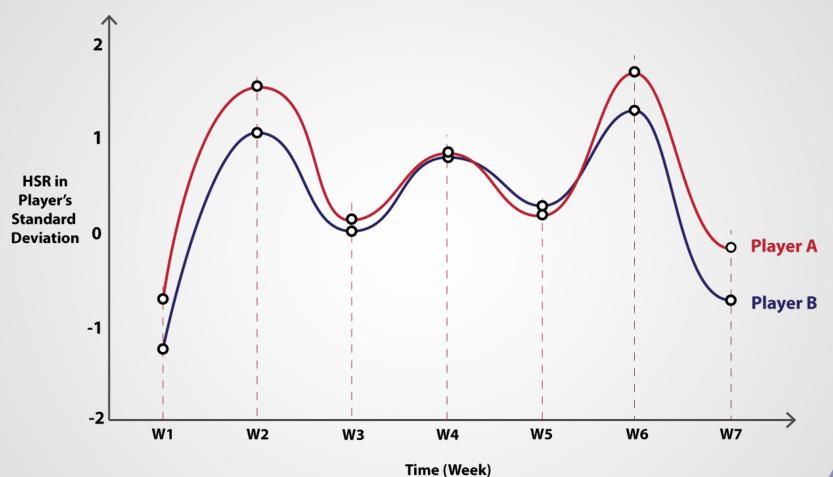
Observing Physical Variables in Time





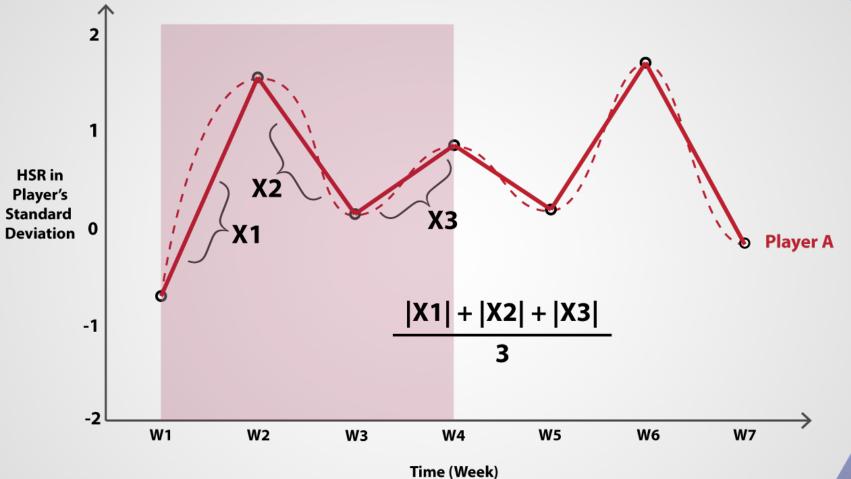
Normalizing to Compare Players Fairly





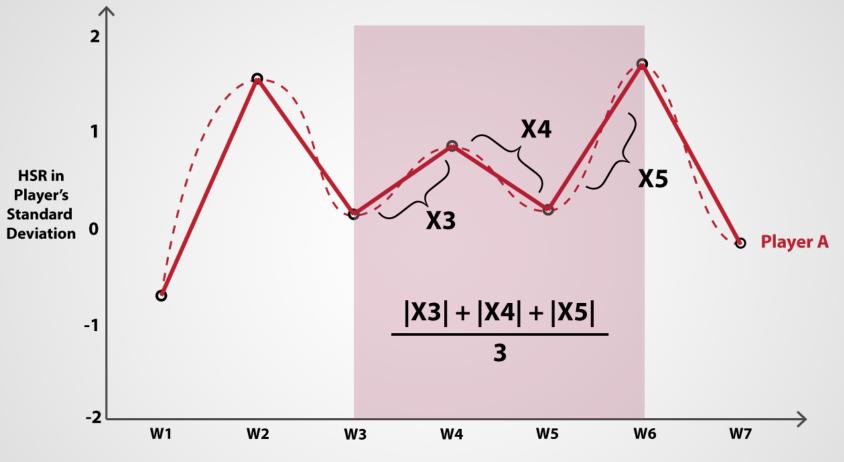
Calculating Magnitude of Variation/Oscillation





Calculating Magnitude of Variation/Oscillation

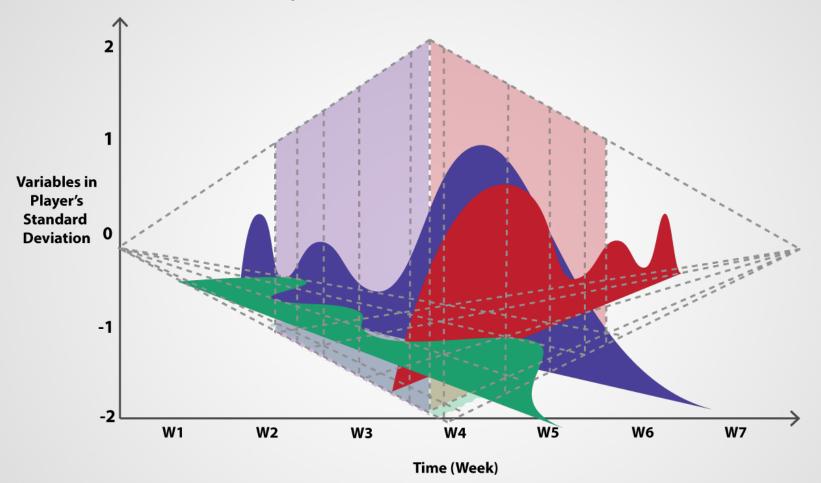




Time (Week)

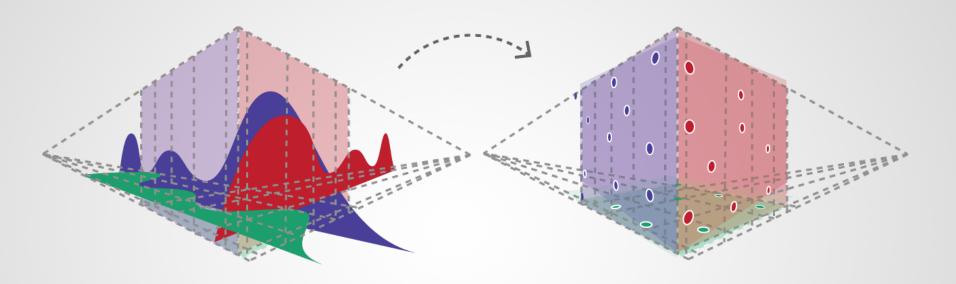
Multidimensional Space





Variations are Transformed into Data Points in 15-dimensions

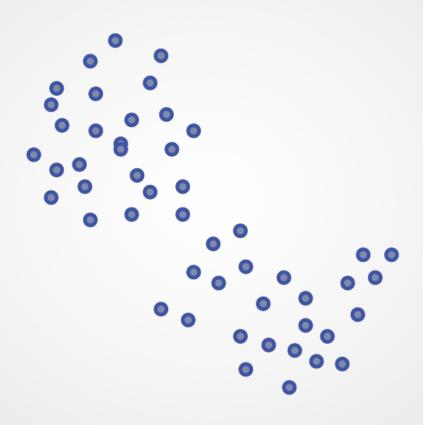






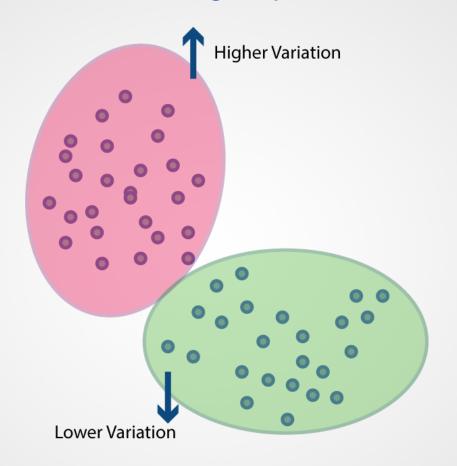
Cluster Analysis Over Training Physical Variables





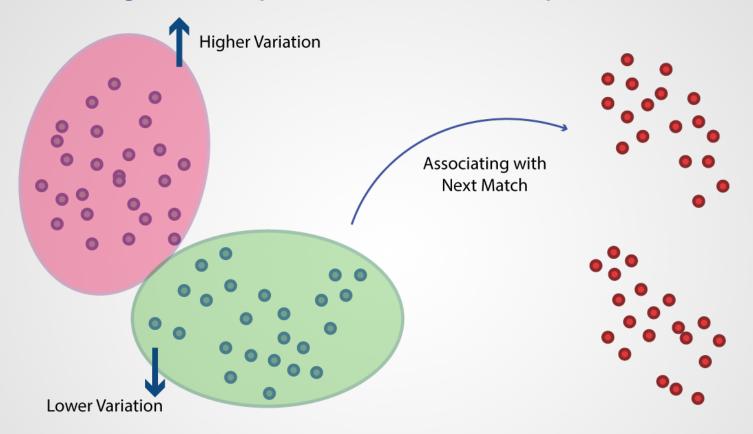
Cluster Analysis Over Training Physical Variables





Associating with Player's Next Match Physical Variables



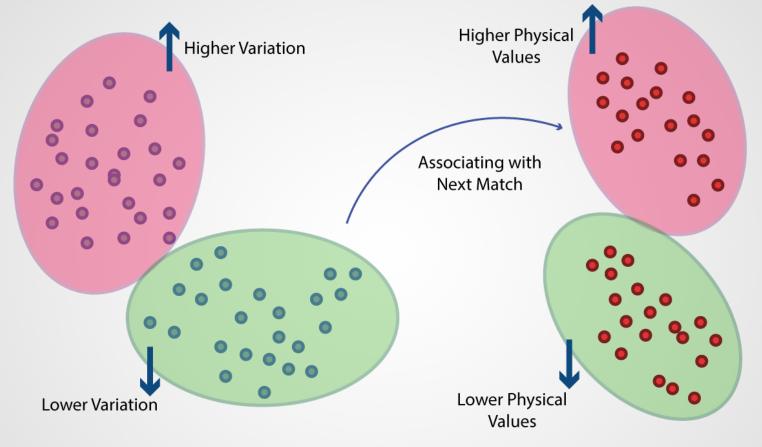


Training Variations

Match Performance

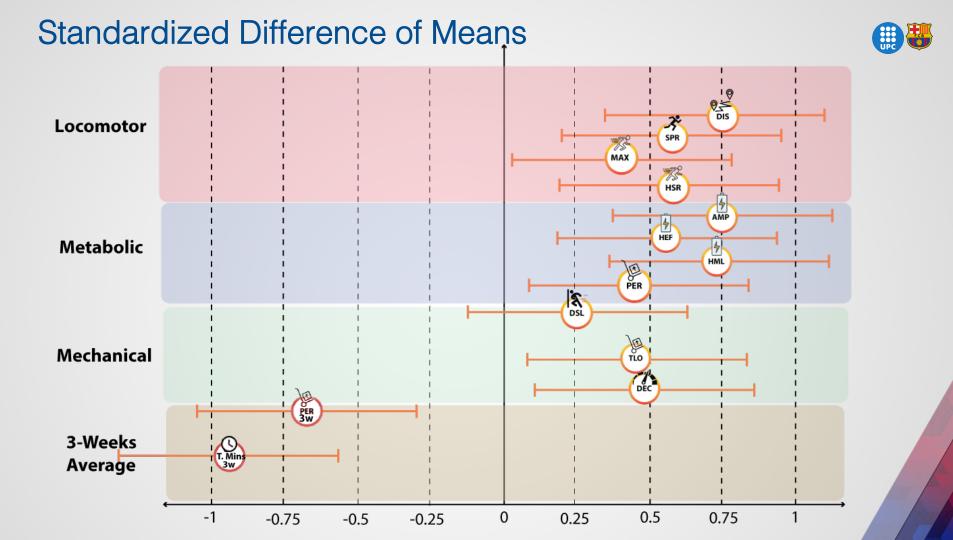
Associating with Player's Next Match Physical Variables





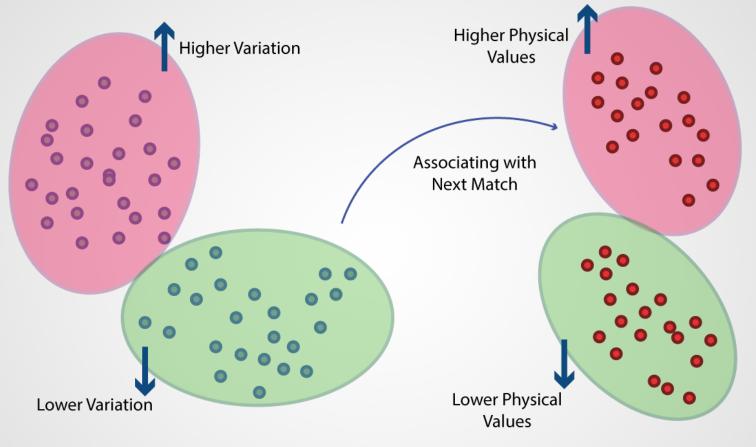
Training Variations

Match Performance



Good News (1)





Training Variations

Match Performance

Good News (2)



