Understanding biomotor abilities

Ontology and simulation in R
Ontology – “What exists?”
Explaining Vagueness

http://www.dichotomistic.com/
The Root Problem

Figure 1: Trend of the increase of the body’s motor potential (P) and of the athlete’s ability to exploit it (T) as the skill level (S) improves. R is the increase in the intensity of the training stimuli.
Hierarchy - Buckets
Functionality – but not Reality
Generation?

- From “vagueness” to “dichotomies” to “classification/hierarchy”
- Dimension reduction
- Principal Component Analysis
- Factor Analysis
Trying to understand motor space by reducing it’s dimensions
Enter R....