

Materials and Procedure

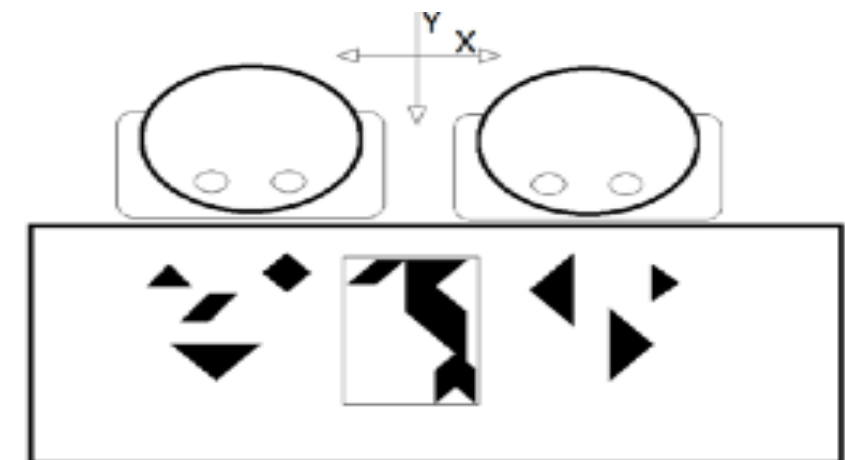
Tangram task

- Three sets of 18 puzzles
- Printed on A4 paper
- Pretest, coop, posttest



Two Nintendo Wii Balance Boards

- Simultaneously recorded postural sway
- Sampling rate 100Hz
- Records x- and y-coordinates



Data Preparation

- Data reduction
 - 100Hz \rightarrow 5Hz
 - Time series of approximately 3,000 data points per dyad
- Displacement scores
 - $\text{Displ}_t = \sqrt{(X_{(t+1)} - X_t)^2 + (Y_{t+1} - Y_t)^2}$
- In a previous study we showed that measures obtained from surrogate and randomized timeseries differ significantly from the observed timeseries (Vink, Wijnants, Cillessen, & Bosman, 2017).