#### 1. Time series data

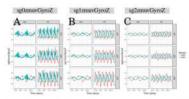
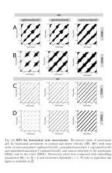


Fig. 6.1 Time series for horizontal arm movements. (Λ) raw-normalised (ugbumo-Gynd), (II) accumilated-mostlued I, (ugbumo-Gynd), and (CI) normalised-instabled I (ugbumo-Gynd), and (CI) normalised-instabled I (ugbumo-Gynd). The series are only for three participants (601, μΩ<sub>2</sub>, and 8013 for horizontal movements in normal and faster velocity (IIX, III) with the normalised Gynd, axis (naux-Gynd), and with one some attached to the participant (ISOI) and other senser attached to the foliate (ISOI). R code to reproduce the figure is smalled at Eq. (ISOI).

### 4. Recurrence Plots



## 2. Embedding parameters

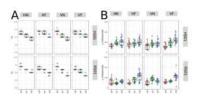
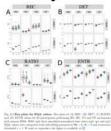
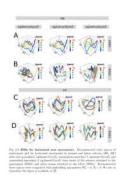


Fig. 3. Box plots of minimum embedding parameters. Box plots of (A) minimum embedding dimensions and (Inf first minimum All values for Horizotta Normal (INI). Horizontal Faster (HF), Vertical Normal (YN) and Vertical Faster (YF) with sensors attached to principant; (HS)) and sensor attached to robot (HSP). Minimum embedding dimensions ( $m_0$  and  $m_0$ ) are for twenty participants (p01 to p00) with three monothed signals (aptimum-Groze (1991), \*\*agtimum-Groze\*\* (apg.)\*\* agtimum-Groze\*\* (apg.)\*\* agtimum-Groze\*\* (apg.)\*\* agtimum-Groze\*\* (apg.)\*\* agtimum-Groze\*\* (apg.)\*\* agtimum-Groze\*\* (apg.)\*\* agtimum-Groze\*\* (apg.)\*\* (apg.)\*\*

# 5. RecurrenceQuantificationAnalysis



### 3. Taken's Theorem



6. 3D surface plots of RQA

