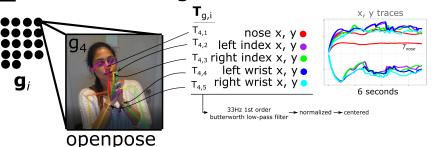
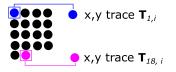
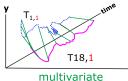


## motion tracking



## c dynamic time warping (dtw)





 $D_{1.18}$  = cumulative normalized mdtw distance g<sub>1</sub> vs g<sub>18</sub>

$$D_{1,18} = \sum_{i=1}^{5} \text{mdtw} d(T_{1,i}, T_{18,i})$$

dependent dtw (5x)

## **D** gesture networks







D matrix

multidimensional scaling for visualisation

