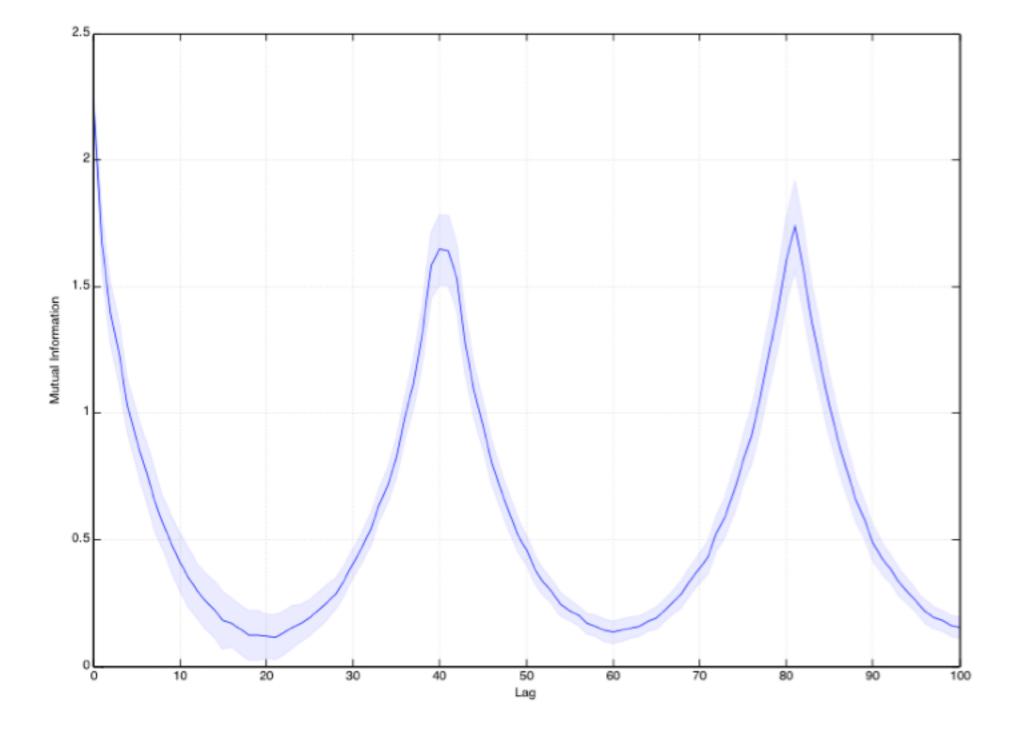




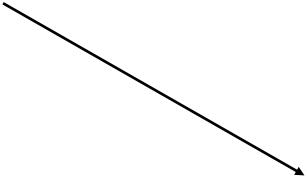
Radboud University Nijmegen

Behavioural Science Institute

Lorenz system – Determine embedding lag



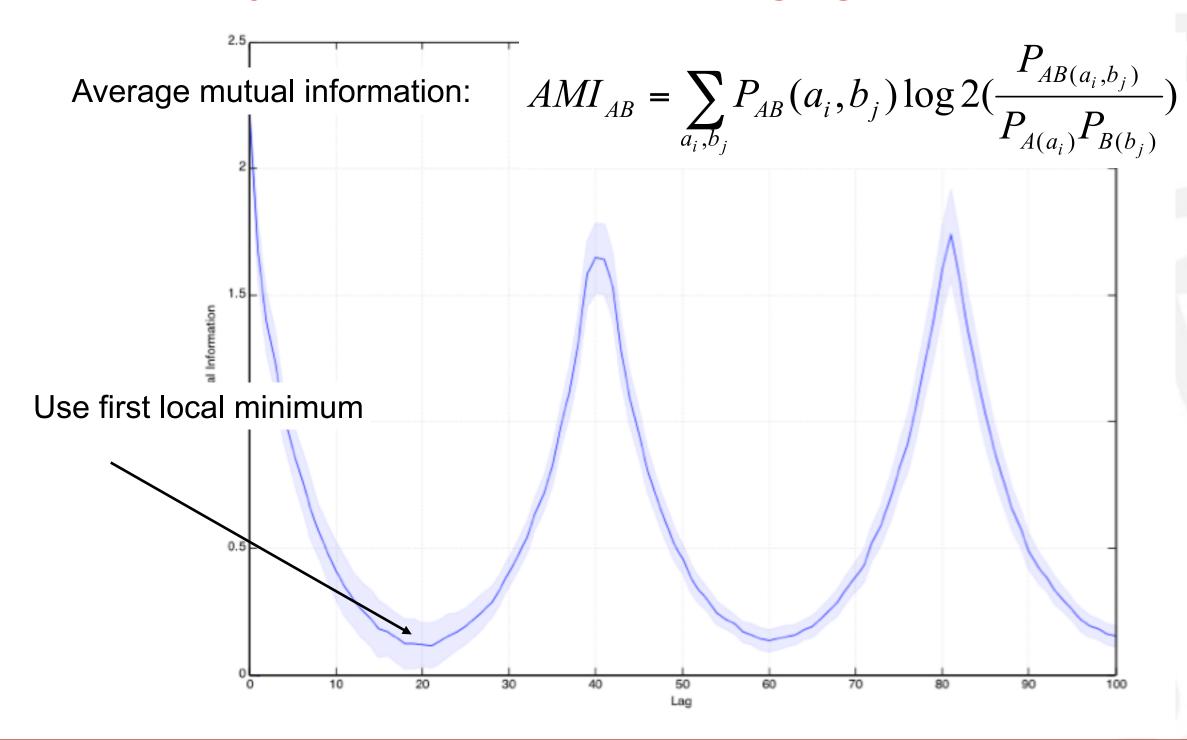
$$AMI_{AB} = \sum_{a_i,b_j} P_{AB}(a_i,b_j) \log 2(\frac{P_{AB(a_i,b_j)}}{P_{A(a_i)}P_{B(b_j)}})$$



Use first local minimum

Average mutual information:

Lorenz system – Determine embedding lag



How many dimensions? Determine embedding dimension (m)

