Order one conditional entropy of hypothesised Markov states 1.2 -(a) (b) (d) (e) (c) Bootstrapped Constrained Observed True 0.1 1.0 0.9 -0.9 0.9 -0.9 -0.9 0.9 1.0 0.9 0.9 1.0 1.2 -(i) pattern (h) (j) (g)Shuffled Markov Ordinal 0.1 1.0 1.0 -1.0 0.9 0.9 -0.9 0.9 0.9 0.9 0.9 0.9 0.9 0.9 Observed Observed Observed Observed Observed