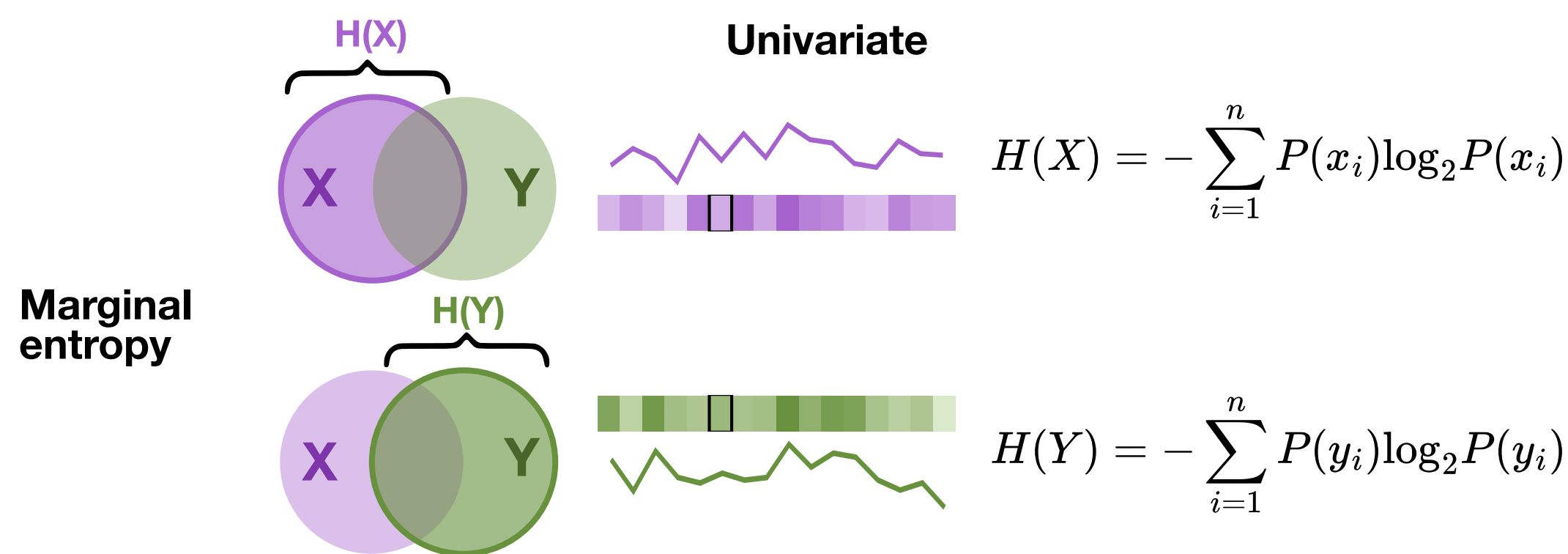
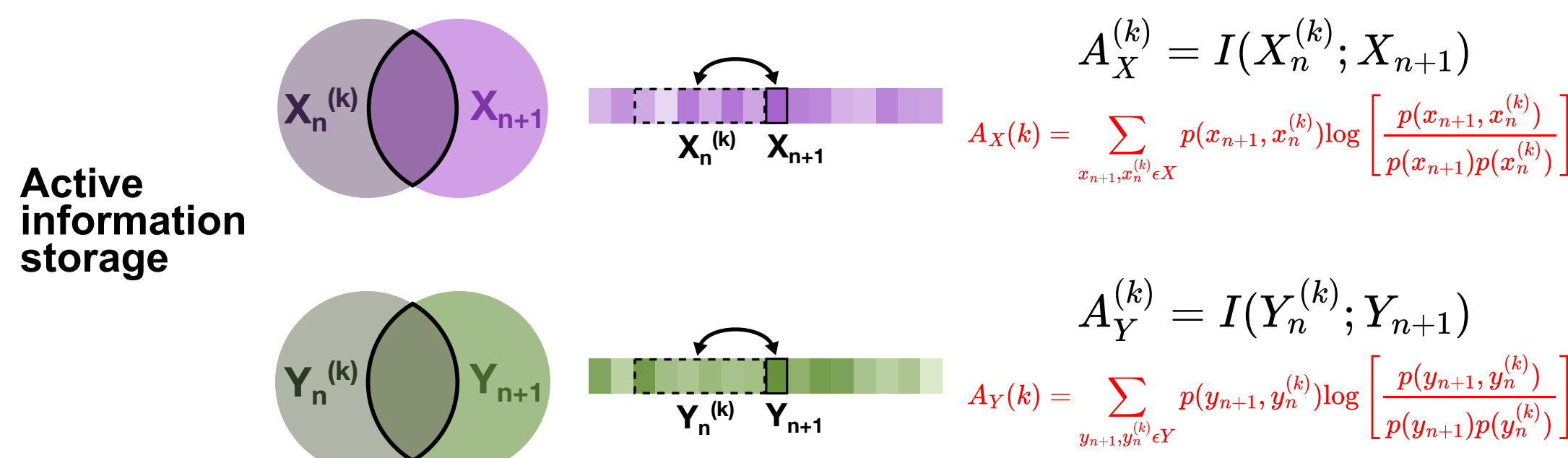


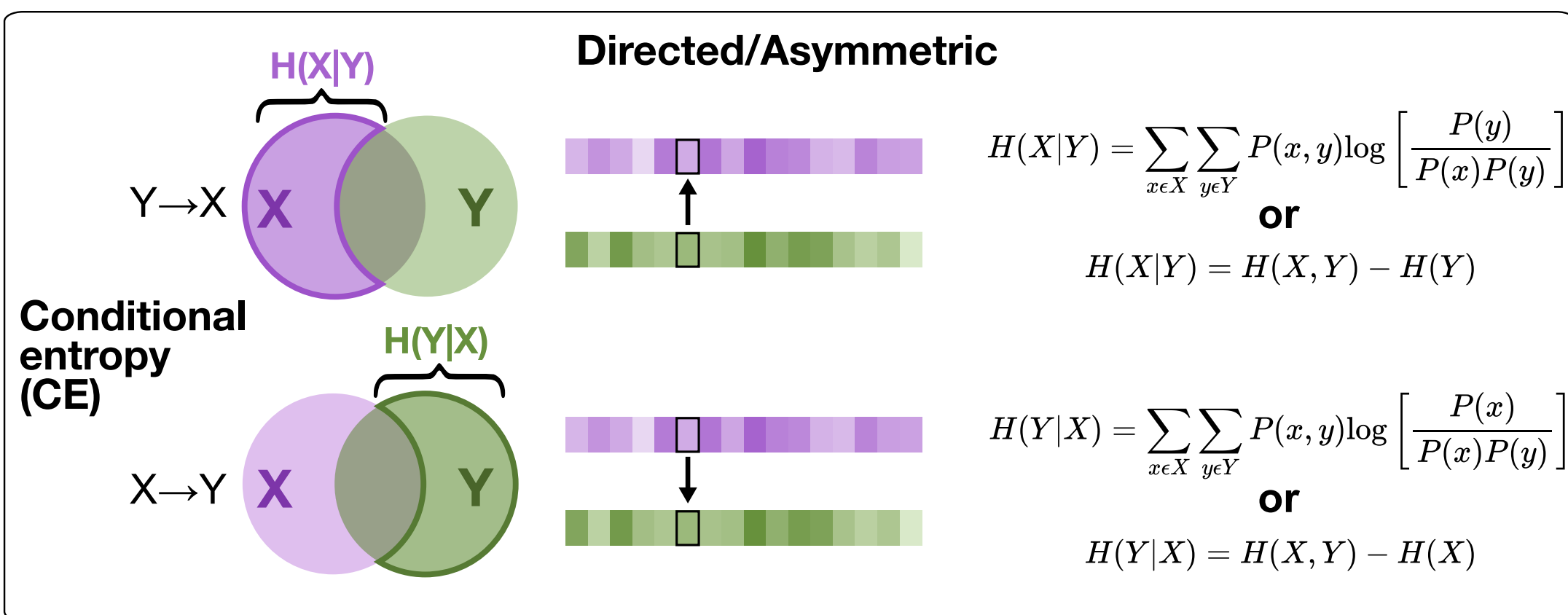
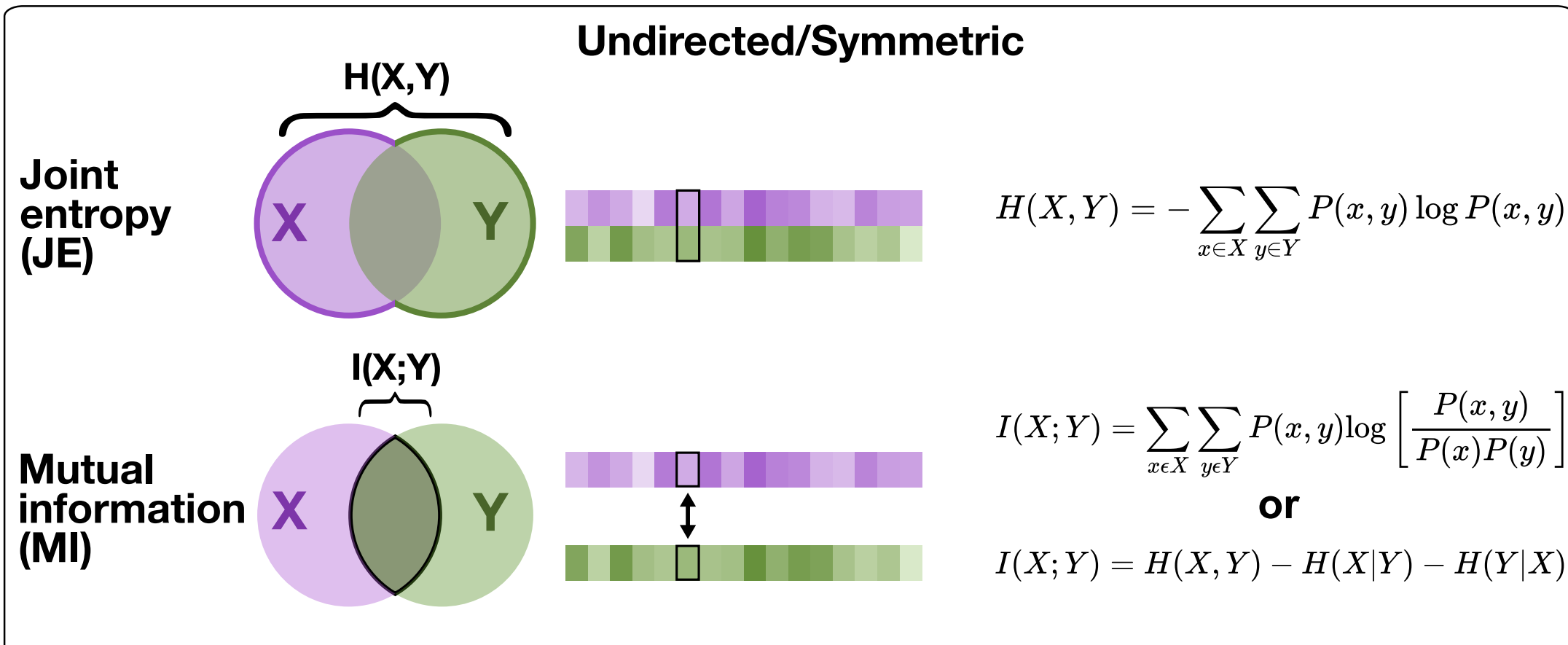
Contemporaneous univariate measures



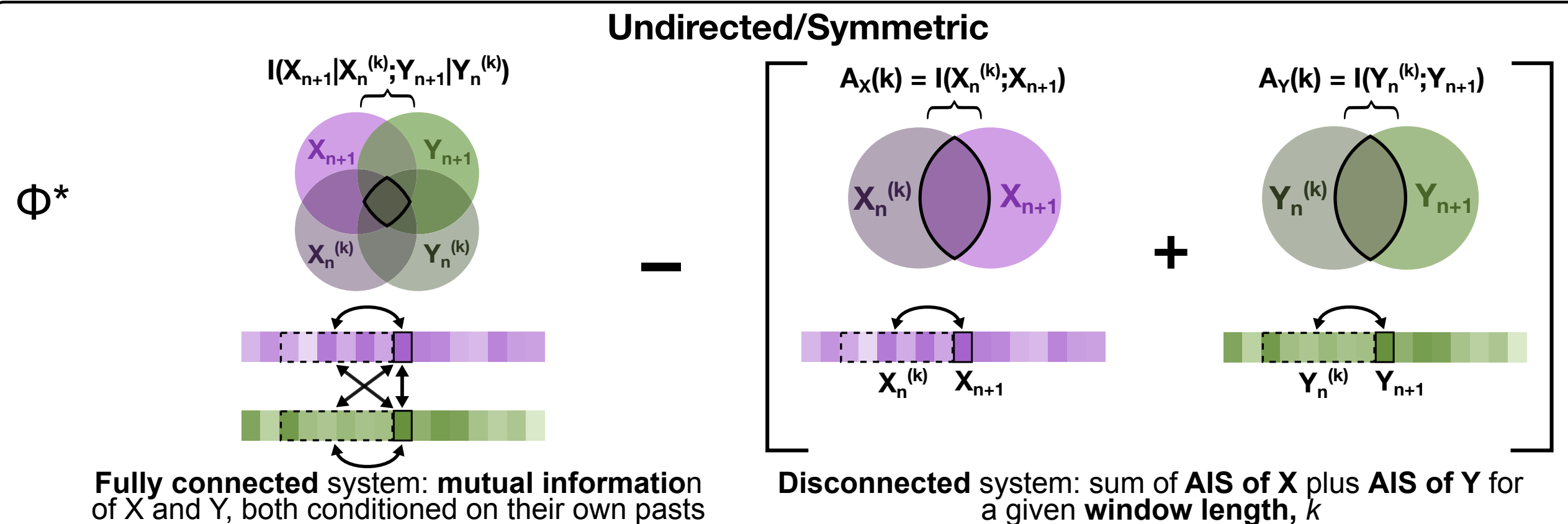
Time-dependent univariate measures



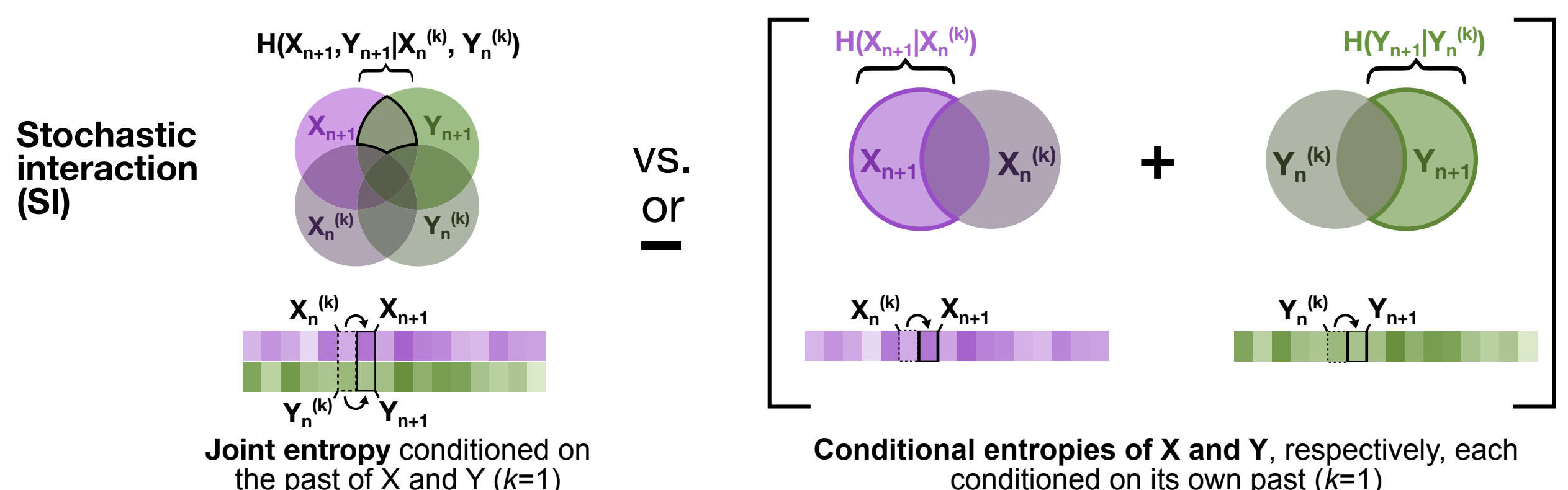
Contemporaneous bivariate measures



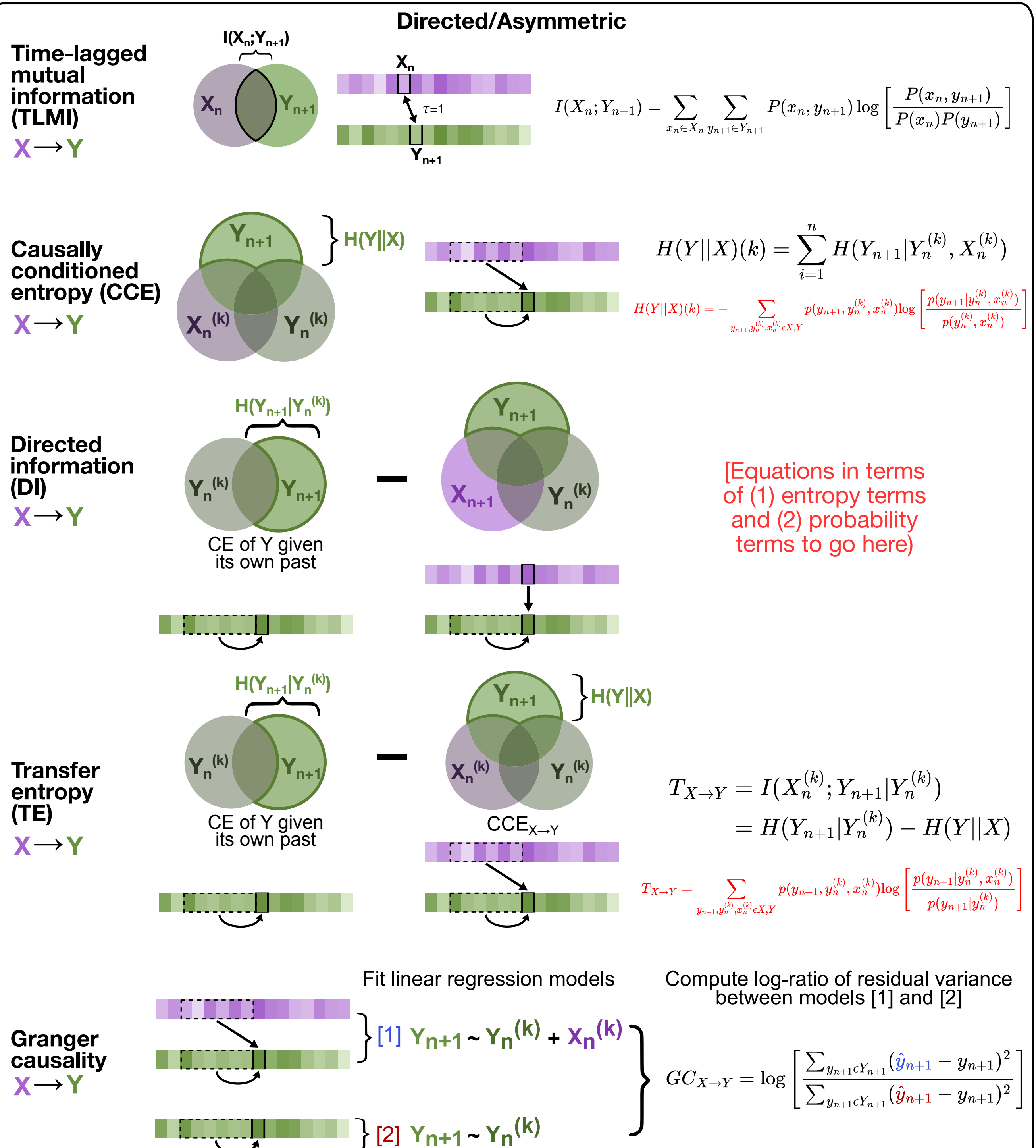
Time-dependent bivariate measures



[Equations in terms of (1) entropy terms and (2) probability terms to go here]



[Equations in terms of (1) entropy terms and (2) probability terms to go here]



*Note: Granger causality is equivalent to transfer entropy with a Gaussian density estimator