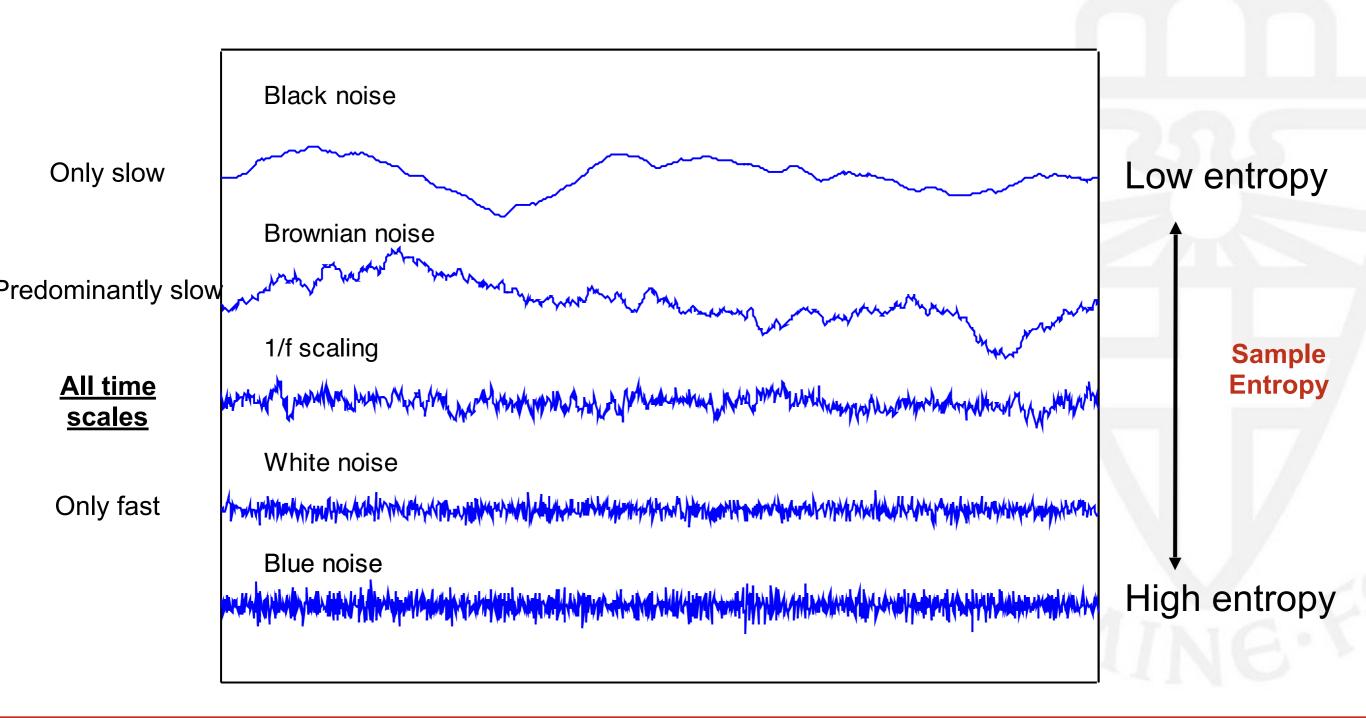
Temporal properties of variability: Sample entropy



Entropy in time series data

Sample entropy

- P = A(k)/B(k)
 - A: # of data segment of length m+1 are within distance < r
 - B: # of data segment of length m are within distance < r
- The negative natural logarithm of the conditional probability that a dataset of length N, having repeated itself within a tolerance r for m points, will also repeat itself for m + 1 points.
- SampEn $(m, r, N) = -\ln P$

