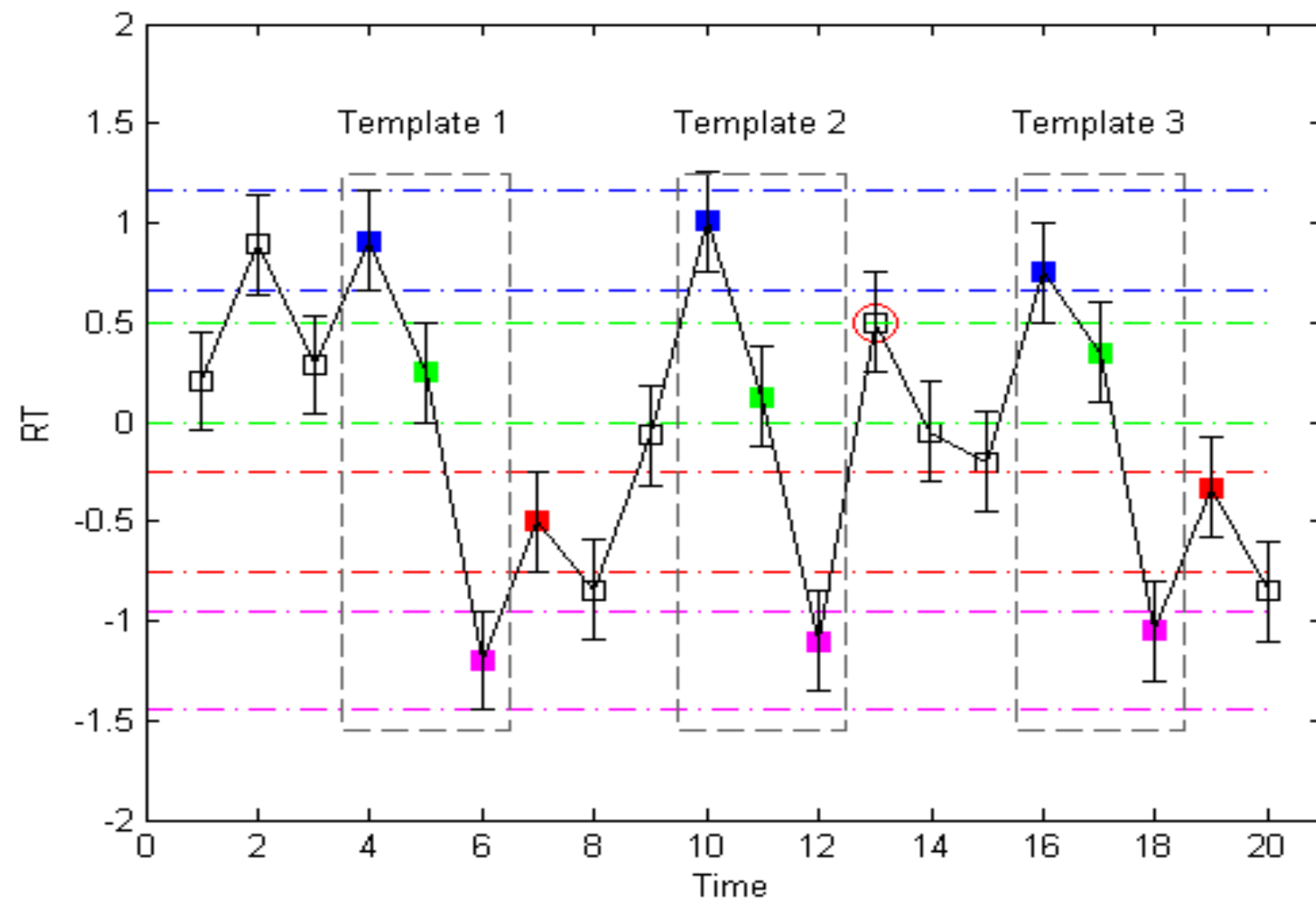


- SampEn: the negative natural log ( $-\ln$ ) of the conditional probability that the pattern of  $m+1$  points (■-■-■-■) will match if a pattern of  $m$  points (■-■-■) did match



## Sample entropy

### Determine $m$

- the length of compared runs of data
- E.g., 3 data points

### Determine $r$

- Tolerance range
- E.g., 1 standard deviation