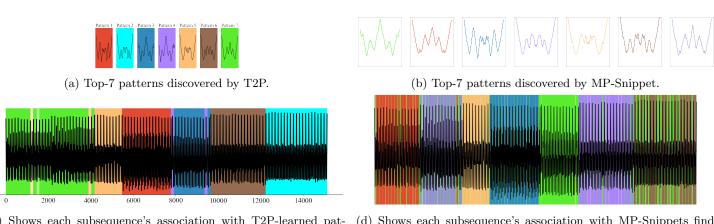


(c) Shows each subsequence's association with T2P-learned patterns, color-coded per pattern

(d) Shows each subsequence's association with MP-Snippets find patterns, color-coded per pattern

Figure 1: Synthetic Data with 10 patterns.



(c) Shows each subsequence's association with T2P-learned patterns, color-coded per pattern  $\,$ 

(d) Shows each subsequence's association with MP-Snippets find patterns, color-coded per pattern

Figure 2: Plane Data.

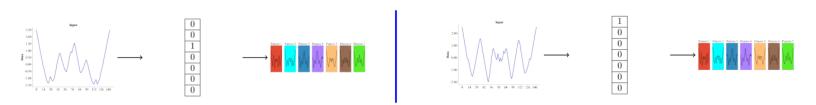
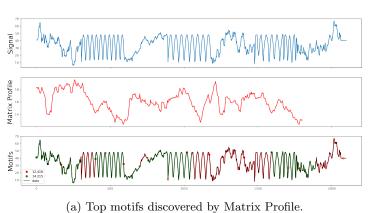


Figure 3: Comparison of T2P Results for Two Different Inputs: Left – Input Subsequence; Middle – Learned Latent Space by T2P; Right – Learned Pattern by T2P.



B C C

(b) The dataset divided into seven equal length regions, and clustered using complete linkage hierarchical clustering.

(a) Top motils discovered by Matrix Frome.

Figure 4: A simple example demonstrating why the most commonly occurring pattern is not necessarily a motif.

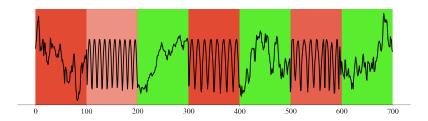


Figure 5: As you can see, T2P is able to find all three periodic patterns in the data, even with this very small dataset.