

# Approximate Similarity Search for Time Series Data Enhanced by Section Min-Hash

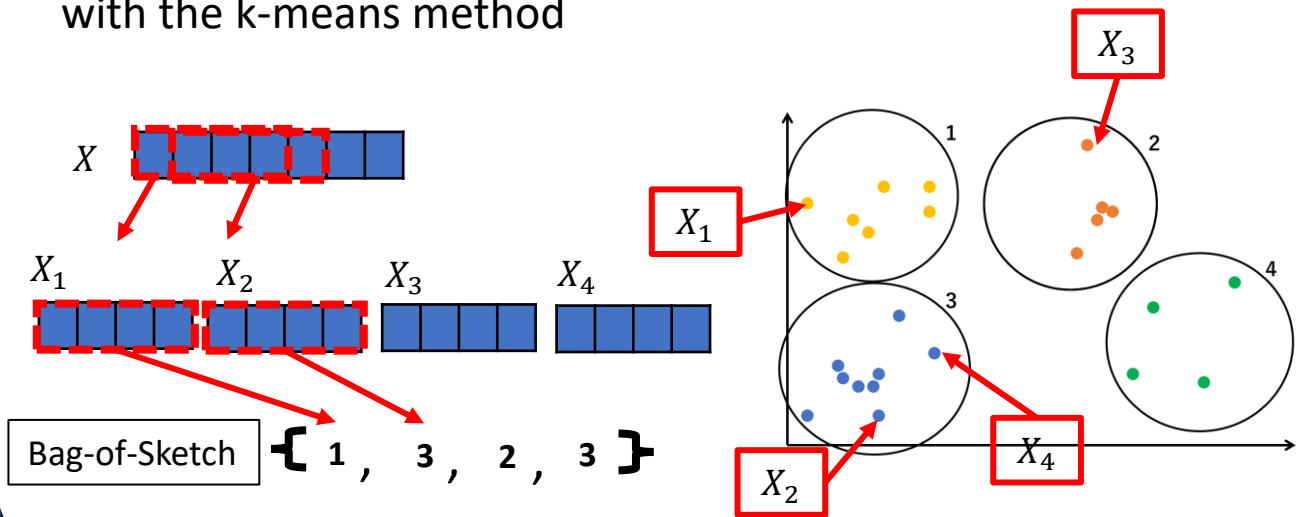
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An algorithm for approximate nearest neighbor search  
based on the DTW distance

## Bag-of-Sketch

Quantizes time series subsequences based on the **Euclidean distance**

- Extract subsequences from all time series data and cluster them with the k-means method



## Section Min-Hash

To prevent matching subsequences temporally far apart

- Hash values are chosen from the same time section for any time series

