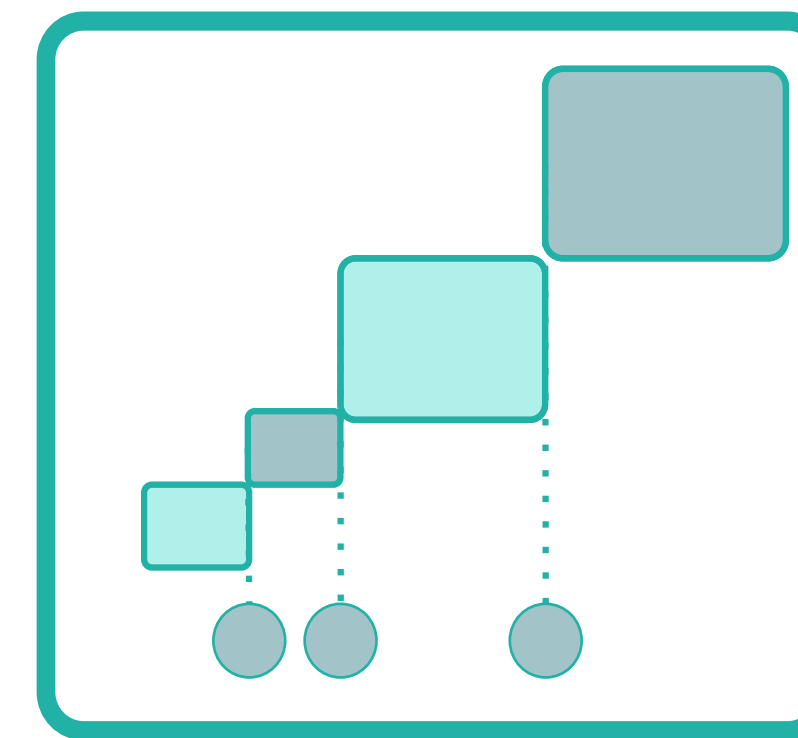


# Chapter 5



## Unveiling the *Grammar* of Time Series

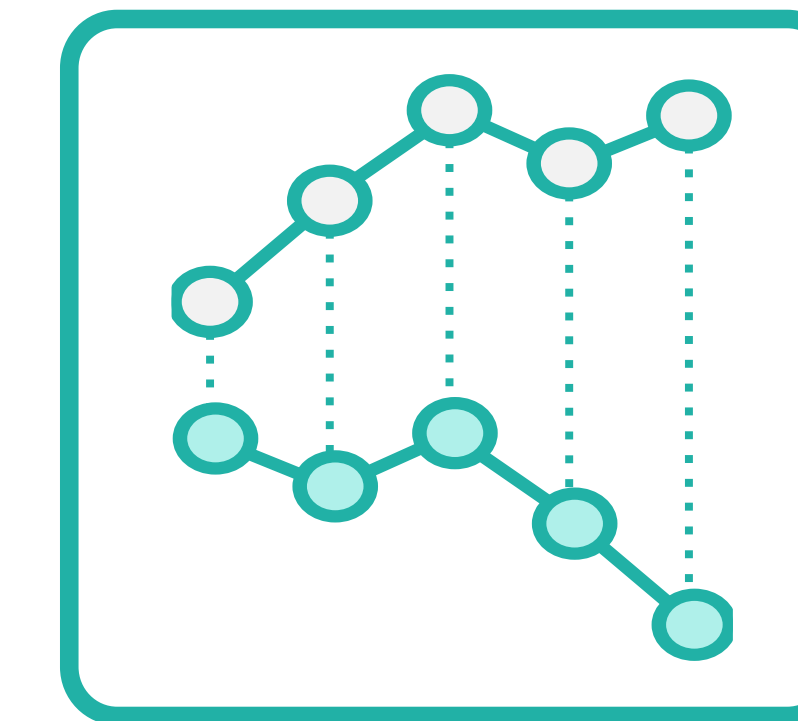
Novelty Search



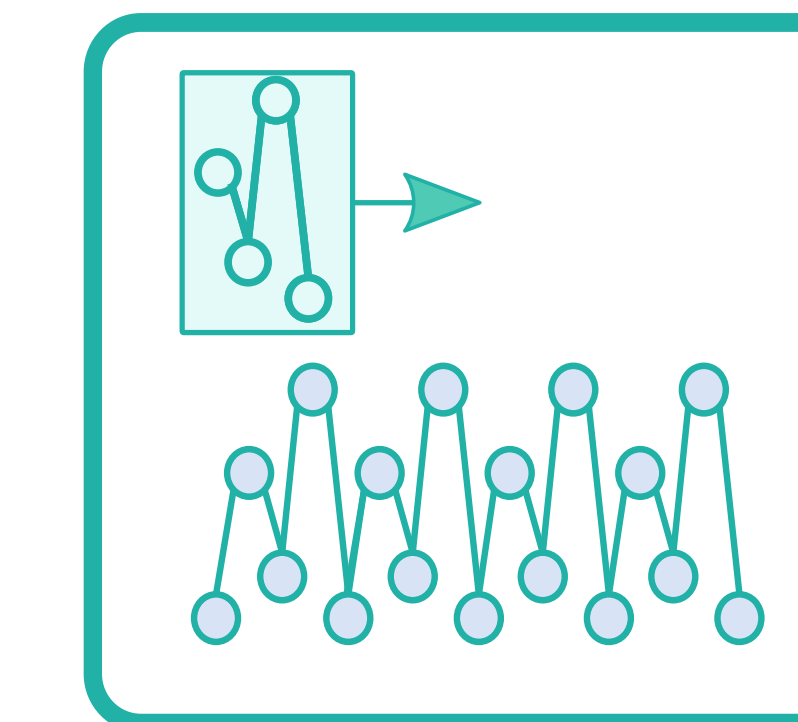
Periodic Search



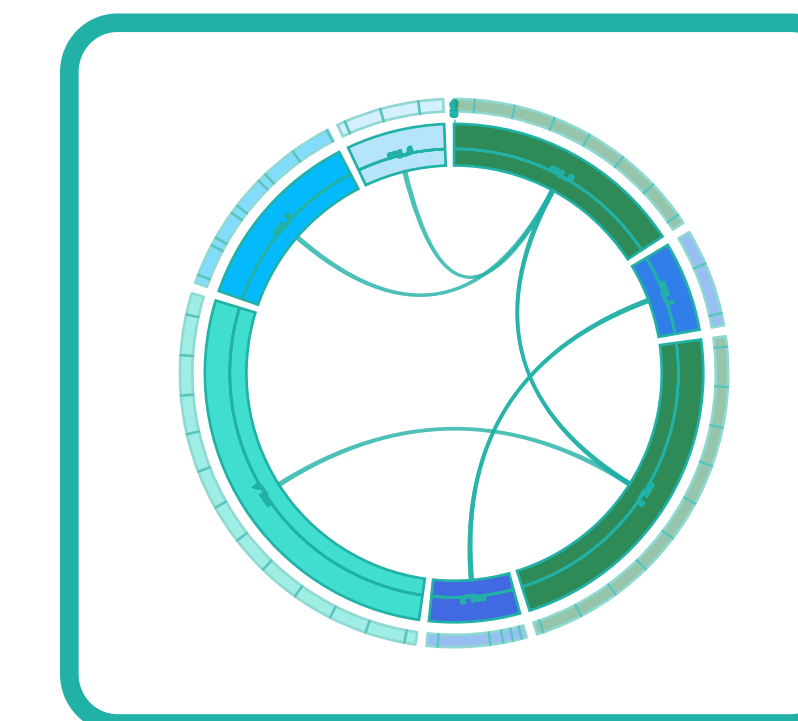
Similarity Profiles



Query Search



Summa-  
-rization



Find relevant changes in the signal, either in *regimes* or *change points*

Find periodic changes in the signal

Associate segments of the signal based on their similarity

Use an example as a query on to search its occurrence on the signal

Based on the segmentation and similarity profiles, summarize the signal