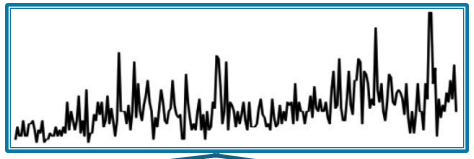
Characterization

[Description] A time series of daily page-view counts for a single English Wikipedia article…

[Input TS]



[Question Type] MC

[Question] In the given time series of daily page views, which of the following ...

[Answer] C

[Question Type] TF

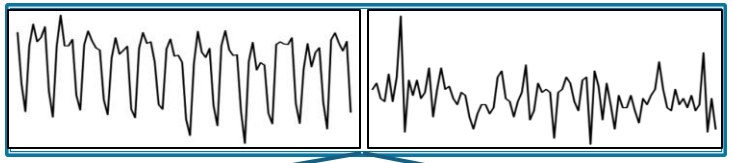
[Question] Does the time series exhibit a clear seasonal pattern with a strong strength, repeating...

[Answer] T

Comparison

[Description] A time series of daily birth counts in the United States.

[Input TS 1} **[Input TS 2]**



[Question Type] MC

[Question] Which time series exhibits a higher global noise level, indicating more…

[Answer] D

[Question Type] TF

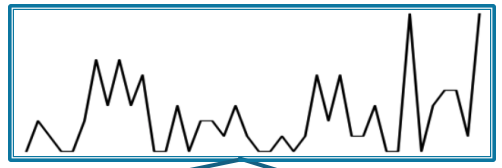
[Question] Is there a significant, consistent upward trend in the time series…

[Answer] F

Data Transformation

[Description] A time series of daily sales quantities for a single pasta SKU…

[Input TS]



[Question Type] MC

[Question] Which of the following choices is most likely the First Order Difference of the given time series…

[Answer] A

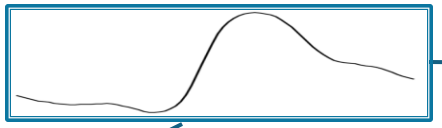
[Question Type] TF

[Question] Is the following sequence the First Order Difference of the given time series…

[Answer] T

Temporal Relationship

[Input TS]



[Question Type] MC

[Question] Which of the following choices is most likely the future continuation of the given time series? Respond ONLY with the letter of the correct choice (A, B, C, or D).

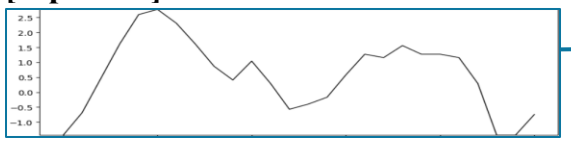
[Answer] A

[Question Type] TF

[Question] Is the following patch the future continuation of the given time series? [0.4726, 0.3534, 0.6404, -1.2777, -1.7403, 0.4697, 0.782, 0.5793, 0.7112…] Respond…

[Answer] T

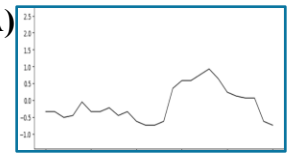
[Input TS]

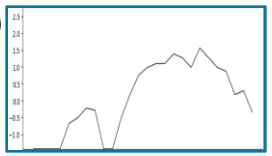


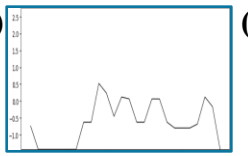
First Patch

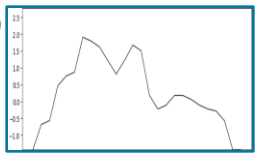
[Question Type] PZ

[Question] The given time series is the first patch of the sequence. Below are the remaining patches, labeled as A, B, C, and D. Arrange A, B, C, D in the correct order to reconstruct the original sequence.

(A) 

(B) 

(C) 

(D) 

[Answer] C, D, B, A