

Temporal \Rightarrow Visual Transformation

Vision

CNN

ResNet

ViT

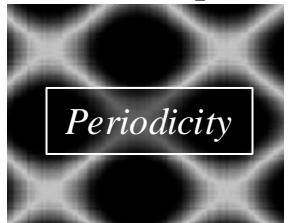
MAE

Conv Net

Conv NeXt



Line Graph

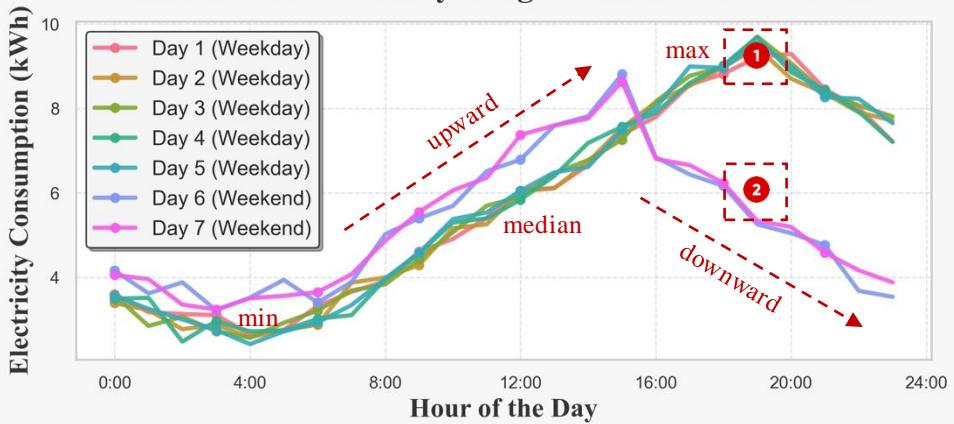


Recurrence Plot



Grayscale Image

Residential Electricity Usage Patterns Over a Week



Late Down Early Up ... Steady Short Long Increase

[Context]: These are residential electricity usage patterns.

[Dataset]: Electricity consumption peaks on weekday ① evenings, drops during daytime ②, and reverses on rest days.

[Statistic]: The input range from <min> to <max>, with a median of <median>. The overall trend is <upward>.

Temporal \Rightarrow Textual Projection



GPT-2

GPT-3

T5

Llama

BERT

Vision-Text

Text