

Forecasting: principles and practice

Rob J Hyndman

2.3 Stationarity and differencing

#Stationarity

##Stationarity

Definition

If $\{y_t\}$ is a stationary time series, then for all s , the distribution of (y_t, \dots, y_{t+s}) does not depend on t .

A stationary series is:

- roughly horizontal
- constant variance
- no patterns predictable in the long-term

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