Stationarity

PRACTICAL TIME SERIES ANALYSIS

THISTLETON AND SADIGOV

Objectives

- Get some intuition for (weak) stationary time series

No systematic change in mean

i.e., No trend

No systematic change in variation

No periodic fluctuations

The properties of one section of a data are much like the properties of the other sections of the data

For an non-stationary time series, we will do some transformations to get stationary time series

What We've Learned

In a (weak) stationary time series, there is no

- systematic change in mean (no trend)
- systematic change in variance
- periodic variations