006 -	Inno to time series
	and forecasting

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Autobrariance Sunction

ACVF

N(B)= GV (XUN, XE)

Autogreption function

ACF

 $g(h) = \frac{f(h)}{f(0)}$

Weak Stationarity

· M(H) independent of t

ox (++h,t) independent of t for each h.

Models with trends

K = mt + Jt zero- mean

souly changing function = trend component -> Estimated N'a LS

Models with seasonality

(Harmonic Rogressian)

 $3t = 20 + \sum_{j=1}^{K} (3 \cos(4jt) + j \sin(4jt))$

estimate parameters

via LS

GENERAL APPROACH TO TIME SERIES MODELING

Pop 27.

PGt and check for existence of

(a) Trend

Remove to get stationary residuals

(b) Seasonal component

(e) Apparent sharp changes in behavior

Section 1.5

(d) Outbying observations

-> be leggere, spigo come si

Scansionato con CamScanner