

$$E(y_t) = E(\beta^t y_0 + \beta^{t-1} E_1 + \dots + E_t) =$$

$$= \beta^t E(y_0) = 0$$

$$Van(y_t) = \beta^{2t} Van(y_0) + \beta^{2t-2} \delta_{\epsilon}^2 + ... + \delta_{\epsilon}^2 = \frac{2t}{1-\beta^2} \cdot \delta_{\epsilon}^2 + \frac{1-\beta^2}{1-\beta^2} \cdot \delta_{\epsilon}^2 = \frac{1-\beta^2}{1-\beta^2} \cdot \delta_{\epsilon}$$

$$= \frac{1}{1-\beta^2} \cdot 6^{\frac{2}{\xi}} \qquad \frac{bo}{1-g} = \frac{\xi g}{g_{zo}} \cdot 6^{\frac{2}{\xi}}$$

(Þ4)	Non-Stationary: To=0
	Random Walk: Jt = Jt-, + Et
PS:	$L \Rightarrow DS - process$ $f(y_1) = f(\varepsilon_0) = 0$
νs: Δη _t =	$Van(y_t) = t \cdot 6^{\frac{1}{6}}$
	∀s>0 Gv (yt, y++s) = t. 62
	$\forall s > 0$ $C_{OV} (9_t, 9_{t-s}) = (t-s)\delta_c^2$
	TS-process: $y_{+} - \hat{x} - \hat{\beta} t = > Stat.$
	M+= x+ pt + E+
ں ک	$ t = \mathcal{I}_t - \mathcal{I}_{t-1} = \mathcal{I}_t + \mathcal{E}_t - \mathcal{E}_{t-1}$
(bc)	Cournes Responsions:
(75)	Spurious Regressions: TS-process:
	13 - 700cm
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