$$W_{i} = (1-\lambda) \cdot \lambda^{j} \qquad 0 < \lambda < 1$$

$$y_{t} = (x) + (\beta) + (\beta$$

A - rote of
$$A \approx 1$$
 slow decay decay $A \approx 0$ fast decay $A \approx 0$ for $A \approx 0$ for

S; 1 (hoych (2 = 0,5) Model: $\begin{array}{l}
1 = \lambda + \sum_{j=0}^{\infty} \beta_j \lambda_{t-j} + \xi_t \\
j = 0 + 9, j + ... + 9, j = \sum_{k=0}^{\infty} \gamma_k j^k \\
k = 0
\end{array}$ Polynomial (Almonis) Lag Model: p = 9 y = 2 + 2 m Z x + Et k=0 Zth = \(\) j \(\) \(\) \(\) \(\) \(\) \(\) \(\) \(\) \(\) \(\) \(\) \(\) \(\) \(\) \(\) \(\) \(\) \(\) \(\) \(\) \(\) \(\) \(\) \(\) \(\) \(\) \(\) \(\) \(\) \(\) \(\) \(\) \(\) \(\) \(\) \(\) \(\) \(\) \(\) \(\) \(\) \(\) \(\) \(\) \(\) \(\) \(\) \(\) \(\) \(\) \(\) \(\) \(\) \(\) \(\) \(\) \(\) \(\) \(\) \(\) \(\) \(\) \(\) \(\) \(\) \(\) \(\) \(\) \(\) \(\) \(\) \(\) \(\) \(\) \(\) \(\) \(\) \(\) \(\) \(\) \(\) \(\) \(\) \(\) \(\) \(\) \(\) \(\) \(\) \(\) \(\) \(\) \(\) \(\) \(\) \(\) \(\) \(\) \(\) \(\) \(\) \(\) \(\) \(\) \(\) \(\) \(\) \(\) \(\) \(\) \(\) \(\) \(\) \(\) \(\) \(\) \(\) \(\) \(\) \(\) \(\) \(\) \(\) \(\) \(\) \(\) \(\) \(\) \(\) \(\) \(\) \(\) \(\) \(\) \(\) \(\) \(\) \(\) \(\) \(\) \(\) \(\) \(\) \(\) \(\) \(\) \(\) \(\) \(\) \(\) \(\) \(\) \(\) \(\) \(\) \(\) \(\) \(\) \(\) \(\) \(\) \(\) \(\) \(\) \(\) \(\) \(\) \(\) \(\) \(\) \(\) \(\) \(\) \(\) \(\) \(\) \(\) \(\) \(\) \(\) \(\) \(\) \(\) \(\) \(\) \(\) \(\) \(\) \(\) \(\) \(\) \(\) \(\) \(\) \(\) \(\) \(\) \(\) \(\) \(\) \(\) \(\) \(\) \(\) \(\) \(\) \(\) \(\) \(\) \(\) \(\) \(\) \(\) \(\) \(\) \(\) \(\) \(\) \(\) \(\) \(\) \(\) \(\) \(\) \(\) \(\) \(\) \(\) \(\) \(\) \(\) \(\) \(\) \(\) \(\) \(\) \(\) \(\) \(\) \(\) \(\) \(\) \(\) \(\) \(\) \(\) \(\) \(\) \(\) \(\) \(\) \(\) \(\) \(\) \(\) \(\) \(\) \(\) \(\) \(\) \(\) \(\) \(\) \(\) \(\) \(\) \(\) \(\) \(\) \(\) \(\) \(\) \(\) \(\) \(\) \(\) \(\) \(\) \(\) \(\) \(\) \(\) \(\) \(\) \(\) \(\) \(\) \(\) \(\) \(\) \(\) \(\) \(\) \(\) \(\) \(\) \(\) \(\) \(\) \(\) \(\) \(\) \(\) \(\) \(\) \(\) \(\) \(\) \(\) \(\) \(\) \(\) \(\) \(\) \(\) \(\) \(\) \(\) \(\) \(\) \(\) \(\) \(\) \(\) \(\) \(\) \(\) \(\) \(\) \(\) \(\) \(\) \(\) \(\) \(\) \(\) \(\) \(\) \(\ Ecomonic Model (with Loyck's DLM): 1) Partial Adjustment Model y-y* | K6 Ut | Tt- It 2) Adaptive Expectations Madels yt = 2 + Xt + Et Les unobserved LR or equilibrium value y, s.t. Partial Adjustment (PA) hypothesis $y_{t} - y_{t-1} = (1-\lambda)(y_{t}^{*} - y_{t-1})$

lin. come. It =
$$(1-\lambda)^{\frac{1}{2}} + \lambda^{\frac{1}{2}} + \lambda^{\frac{1}{2}} = \dots$$

A-speed of = $(1-\lambda)^{\frac{1}{2}} + \lambda^{\frac{1}{2}} + \lambda^{\frac{1}{2}} = \dots$

Adjustment (It form

 $\lambda \approx 0 - y_t = \dots = \lambda^{\frac{1}{2}} + \beta \cdot \sum_{i=1}^{2} \sum_{j=1}^{2} \sum_{j=1}^$