Bugno/alburno? VAR -vector rufe-regression. VAR(2) - megent. Jp-ue] Y+ = V + A, · y++ + Az · y+z + U+ Ut [dx] V [dxVore(U4) = 2 m ne sory. gran. y 2000 yp-us co pluesteur. modelina Y 5 mochun layre, vo (game)

y = A. Yty Uniller is pen-ins Mulup ye EIR

oup Kap-us unororuen -> ugen: ydyralm cup-cre u Celleyl. - reordett-gen morpe com. yt = X + 1, yt-1 + 12 yt-2 + 1/4 $T = \begin{bmatrix} 1 & 0 & -0 \\ 0 & -0 \end{bmatrix}$ $T = \begin{bmatrix} 1 & 0 & -0 \\ 0 & -0 \end{bmatrix}$ $T = \begin{bmatrix} 1 & 0 & -0 \\ 0 & -0 \end{bmatrix}$ $T = \begin{bmatrix} 1 & 0 & -0 \\ 0 & -0 \end{bmatrix}$ $T = \begin{bmatrix} 1 & 0 & -0 \\ 0 & -0 \end{bmatrix}$ $T = \begin{bmatrix} 1 & 0 & -0 \\ 0 & -0 \end{bmatrix}$ vorga yp-ne c pyrelois KHS Unitett respub-de perrepuer. Q=0 (pluepul)

Q=0 (pluepul)

Q=0 (pluepul)

S peurpub (2-0e peurepul)

S peurpub (2-0e peurepul)

[del (Iz²-4 2-4z) =0.

z-1z-? chare (z) = det (I. 2²-1, z-12) (1x6) Oup. $chor(z) = 0 \leq deg(chor(z)) = 2d$ qui VAR(p) deg·(chou(z)) = pd Teoperna!! [Typ-ne] VAR(p) c up~WN(0; E) ech egnercherroe cray- de pleuehre, et u v reeteko ecen y char(z) = 0 per nopreñ |z|=1.

| yp-ne | yt= v + A; yr, + Az · yt-z + le [VAR-EQ]
| zanon que | le ~ WN (o: E) [le~ WN]
| cuymo | yt - cray - bert . [yt-stad] Lye-Stad] $chor(z) = det(Iz' - A_1) = det(z = o(2) \left(\frac{2^{-1} - 1}{0}\right) = (2^{-1})^{2}$ $= (2^{-1})^{2}$ $= (2^{-1})^{2}$ $= (2^{-1})^{2}$ rovoe remenue yp-us he cody-troe. J. causol" Ye = My + Me + B. Me-1 + B2-Me-2+....

Ye ~ VMA () teoperia 2 yp-ne VAR-EQ (Uz-VMO; E)

willet agencrbenhoe periehre

yz-VMA (ss) ever a voelous even

[z | c | y bax noprees char(z) = 0 [nopm lag(l)=0] perefers 7 101=1 cray. peul-ue VMA(ss) ech letty. peu , no re Leega VMA(w). V10171 716/61

	[no ynos rahuso] B copore noiseme une VARIZ)"
	oezetu rene VAR(Z)
	$\rightarrow 182-E0$
	$\rightarrow u_{\epsilon} \sim \mathcal{N}(o:\mathcal{E}) \text{ regal} => u_{\epsilon} \sim \mathcal{N}(o:\mathcal{E})$
	u euse cer la robbert noutrour
	u cuse eve ronobber noutrour $ (I - A_1 \cdot L - A_2 \cdot L^2) \cdot y_t = v + u_t $
	$\log(\ell) = \det\left(I - A_i \cdot \ell - A_k \cdot \ell^2\right)$
	noppen chayaver cooth-men
	$z_{k} = \frac{1}{c_{k}}$
_	L CK
	Desembarne:
	Tecresión energ Manche. 20
	recognission en con Man Mu. 20 upalyonogodus.
	payed > yarobhox mogosine.
	(terre)
	nes l(y y (b)
	MAR(Z)
	max ((y3, y4, y5 y y., y2, 0)
	-> MHK no orgenstehn yp-men.
	yt = V+A, yt-1 + Azyt-z + Ut Ut = (4)
	$y_{t} = v + A_{1} \cdot y_{t-1} + A_{2} \cdot y_{t-2} + u_{t} \qquad u_{t} = \begin{pmatrix} u_{1} \\ u_{2} \end{pmatrix}$ $u_{t} = v_{0} + A_{1} \cdot u_{t-1} + A_{12} \cdot u_{t-1} + A_{12} \cdot u_{t-1} + A_{12} \cdot u_{t-2} + A_{12} $
	$y_{t} = v + A_{1} \cdot y_{t-1} + A_{2} \cdot y_{t-2} + u_{t} \qquad u_{t} = \begin{pmatrix} u_{1} \\ u_{1} \end{pmatrix}$ $u_{t} = v_{x} + A_{1} \cdot u_{t-1} + A_{12} \cdot u_{t-1} + A_{11} \cdot u_{t-2} + A_{12} $

	Sell britspyrtaesen prayrot
	un ny vouse p-yen plantien
	FEIR = forecook error impulse response
	FEIR = forecost over mpulse response (de) 204
Ye	= (le)
J.	
Ut.	$=$ $\left(\begin{array}{c} \mathbf{u} \\ \mathbf{v} \\ \mathbf{t} \end{array} \right)$
	yt = v+ 1. Yt-1+ Az. Yt-z + I. Ut
VAR	(2) P2 = P0.A2 + P.A,
	=0 (R>2)
Ą	
	k = 40 K 11 TK-1 T K-1 T K T K T K T K T T
	y = v + A. · (v + A. y + - z + A. y + - s + U + -1) +
	$\int_{\mathcal{L}} e^{-z} \left(\frac{\lambda_1}{\lambda_1} \right) e^{-z} \left($
	+ Az · yt-z + · I·ux
	$y_t = (A_1 \cdot A_1 + A_2)$

Orthoganal Trypulese Response