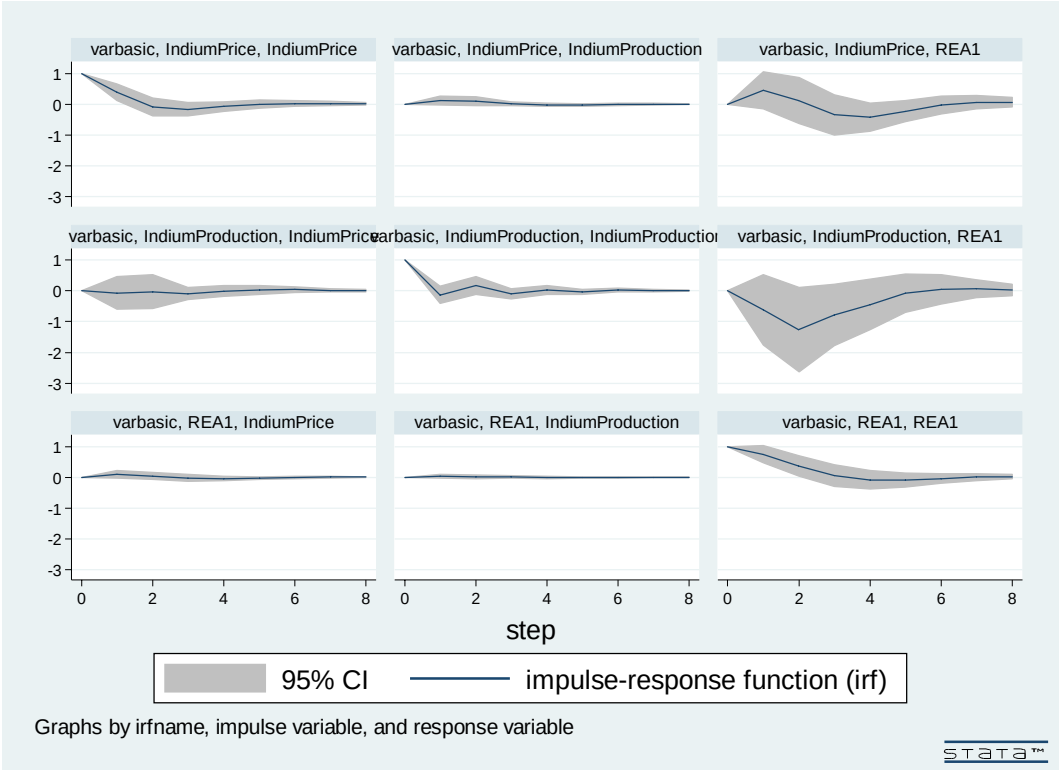


Graphs by irfname, impulse variable, and response variable

stata™

```
1 . varbasic IndiumPrice IndiumProduction REA1, lags(1/2) step(8) irf
```

Vector autoregression

Sample: **1970 - 2014** Number of obs = **45**
Log likelihood = **53.95139** AIC = **-1.464506**
FPE = **.0000468** HQIC = **-1.150203**
Det(Sigma_ml) = **.0000182** SBIC = **-.6213969**

Equation	Parms	RMSE	R-sq	chi2	P>chi2
IndiumPrice	7	.17337	0.1870	10.35263	0.1106
IndiumProduction	7	.093334	0.1307	6.768214	0.3428
REA1	7	.376775	0.4694	39.81101	0.0000

	Coef.	Std. Err.	z	P>|z|	[95% Conf.	Interval]
IndiumPrice						
IndiumPrice						
L1.	.3913282	.1396921	2.80	0.005	.1175368	.6651196
L2.	-.2774656	.1426399	-1.95	0.052	-.5570345	.0021034
IndiumProduction						
L1.	-.0736547	.2702025	-0.27	0.785	-.6032418	.4559325
L2.	.0490905	.2710923	0.18	0.856	-.4822407	.5804217
REA1						
L1.	.098126	.0662785	1.48	0.139	-.0317774	.2280295
L2.	-.0645198	.0669777	-0.96	0.335	-.1957937	.0667541
_cons	.0056514	.0260893	0.22	0.829	-.0454827	.0567855
IndiumProduction						
IndiumPrice						
L1.	.1121667	.075203	1.49	0.136	-.0352285	.2595618
L2.	.0591405	.0767899	0.77	0.441	-.091365	.209646
IndiumProduction						
L1.	-.1347798	.1454631	-0.93	0.354	-.4198822	.1503225
L2.	.1867694	.1459421	1.28	0.201	-.0992719	.4728107
REA1						
L1.	.0360503	.0356809	1.01	0.312	-.033883	.1059836
L2.	-.0190595	.0360573	-0.53	0.597	-.0897306	.0516116
_cons	.0226652	.0140451	1.61	0.107	-.0048628	.0501932
REA1						
IndiumPrice						
L1.	.4530836	.3035842	1.49	0.136	-.1419304	1.048098
L2.	-.3320257	.3099904	-1.07	0.284	-.9395958	.2755443
IndiumProduction						
L1.	-.6174783	.5872144	-1.05	0.293	-1.768397	.5334408
L2.	-.8471059	.5891482	-1.44	0.150	-2.001815	.3076034
REA1						
L1.	.7469936	.1440389	5.19	0.000	.4646825	1.029305
L2.	-.2163047	.1455585	-1.49	0.137	-.5015941	.0689848
_cons	.0603782	.0566983	1.06	0.287	-.0507484	.1715049

```
2 . varstable
```

Eigenvalue stability condition

Eigenvalue	Modulus
.4132601 + .482703*i*	.635442
.4132601 - .482703*i*	.635442
-.534862	.534862
.4829338	.482934
.114475 + .3727593*i*	.389941
.114475 - .3727593*i*	.389941

All the eigenvalues lie inside the unit circle.
VAR satisfies stability condition.

```
3 . predict error44, resid
(10 missing values generated)

4 . summarize error44
```

Variable	Obs	Mean	Std. Dev.	Min	Max
error44	45	1.24e-10	.1611165	-.265579	.4872707

```
5 . tsline error44, yline(1.24e-10 )

6 . varlmar
```

Lagrange-multiplier test

lag	chi2	df	Prob > chi2
1	6.2785	9	0.71175
2	15.2943	9	0.08316

H0: no autocorrelation at lag order

```
7 . vargranger
```

Granger causality Wald tests

Equation	Excluded	chi2	df	Prob > chi2
IndiumPrice	IndiumProduction	.12041	2	0.942
IndiumPrice	REA1	2.1927	2	0.334
IndiumPrice	ALL	2.3191	4	0.677
IndiumProduction	IndiumPrice	3.7654	2	0.152
IndiumProduction	REA1	1.0428	2	0.594
IndiumProduction	ALL	4.5874	4	0.332
REA1	IndiumPrice	2.6866	2	0.261
REA1	IndiumProduction	2.8563	2	0.240
REA1	ALL	7.4342	4	0.115

```
8 .  irf table fevd, impulse( IndiumPrice IndiumProduction REA1 ) response( IndiumPrice IndiumProduction R
> i
```

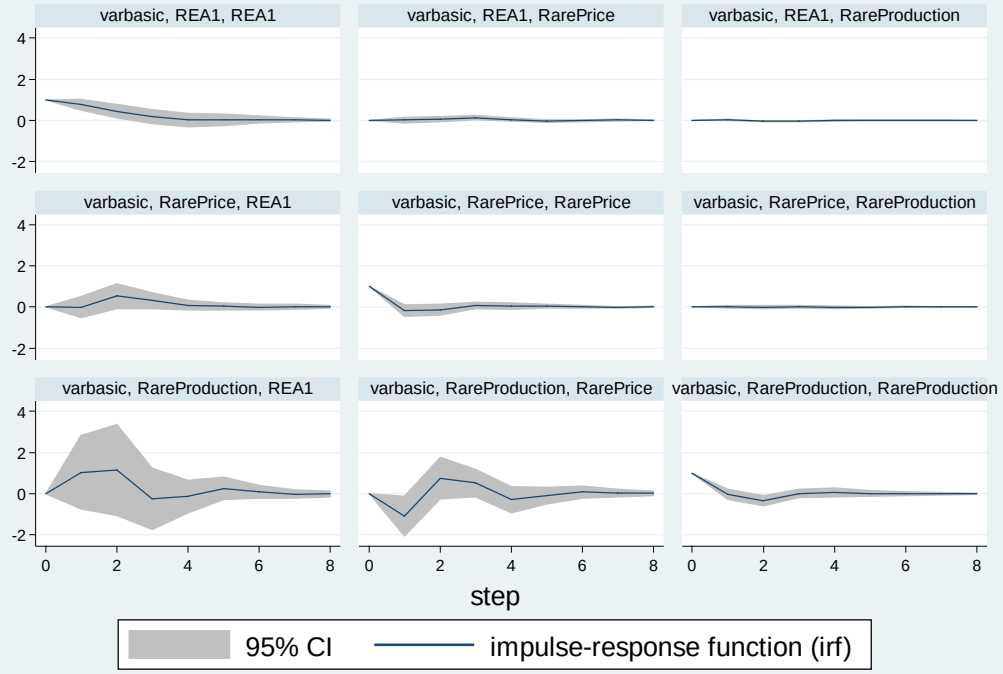
Results from varbasic

step	(1) fevd	(2) fevd	(3) fevd	(4) fevd	(5) fevd	(6) fevd	(7) fevd	(8) fevd
0	0	0	0	0	0	0	0	0
1	1	.050863	.137219	0	.949137	.00381	0	0
2	.964912	.063184	.098485	.000573	.919466	.009598	.034515	.01735
3	.958612	.098733	.099624	.000647	.882673	.054475	.040741	.018594
4	.955724	.097995	.122367	.002955	.88098	.071187	.041321	.021025
5	.950807	.098462	.138138	.003023	.880351	.075837	.04617	.021187
6	.949468	.099376	.139947	.003096	.878984	.075597	.047437	.02164
7	.949218	.099315	.139868	.003398	.878584	.075577	.047384	.022101
8	.948997	.099365	.140351	.003459	.878515	.075696	.047544	.02212

step	(9) fevd
0	**0**
1	**.858971**
2	**.891918**
3	**.845901**
4	**.806447**
5	**.786025**
6	**.784456**
7	**.784554**
8	**.783953**

(1) irfname = varbasic, impulse = IndiumPrice, and response = IndiumPrice
(2) irfname = varbasic, impulse = IndiumPrice, and response = IndiumProduction
(3) irfname = varbasic, impulse = IndiumPrice, and response = REA1
(4) irfname = varbasic, impulse = IndiumProduction, and response = IndiumPrice
(5) irfname = varbasic, impulse = IndiumProduction, and response = IndiumProduction
(6) irfname = varbasic, impulse = IndiumProduction, and response = REA1
(7) irfname = varbasic, impulse = REA1, and response = IndiumPrice
(8) irfname = varbasic, impulse = REA1, and response = IndiumProduction
(9) irfname = varbasic, impulse = REA1, and response = REA1

9 .



Graphs by irfname, impulse variable, and response variable

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```
1 . varbasic RarePrice RareProduction  REA1, lags(1/2) step(8) irf
```

Vector autoregression

Sample: **1970 - 2019** Number of obs = **50**
Log likelihood = **77.07347** AIC = **-2.242939**
FPE = **.0000214** HQIC = **-1.937133**
Det(Sigma_ml) = **9.20e-06** SBIC = **-1.439889**

Equation	Parms	RMSE	R-sq	chi2	P>chi2
RarePrice	**7**	**.203998**	**0.2054**	**12.92648**	**0.0442**
RareProduction	**7**	**.049966**	**0.3342**	**25.10288**	**0.0003**
REA1	**7**	**.376431**	**0.4930**	**48.61953**	**0.0000**

	Coef.	Std. Err.	z	P>|z|	[95% Conf.	Interval]
RarePrice						
RarePrice						
L1.	**-.1851074**	**.1399667**	**-1.32**	**0.186**	**-.459437**	**.0892222**
L2.	**-.151043**	**.1327264**	**-1.14**	**0.255**	**-.4111819**	**.1090958**
RareProduction						
L1.	**-1.099868**	**.492721**	**-2.23**	**0.026**	**-2.065583**	**-.1341522**
L2.	**.4913093**	**.5278916**	**0.93**	**0.352**	**-.5433391**	**1.525958**
REA1						
L1.	**.0193838**	**.0732901**	**0.26**	**0.791**	**-.1242622**	**.1630298**
L2.	**.0834829**	**.0747177**	**1.12**	**0.264**	**-.0629611**	**.2299269**
_cons	**.0456845**	**.0319127**	**1.43**	**0.152**	**-.0168634**	**.1082323**
RareProduction						
RarePrice						
L1.	**.0143246**	**.0342827**	**0.42**	**0.676**	**-.0528683**	**.0815175**
L2.	**-.0037957**	**.0325093**	**-0.12**	**0.907**	**-.0675128**	**.0599214**
RareProduction						
L1.	**-.0364317**	**.1206846**	**-0.30**	**0.763**	**-.2729692**	**.2001057**
L2.	**-.37659**	**.1292991**	**-2.91**	**0.004**	**-.6300115**	**-.1231684**
REA1						
L1.	**.0303275**	**.0179513**	**1.69**	**0.091**	**-.0048564**	**.0655114**
L2.	**-.0732706**	**.018301**	**-4.00**	**0.000**	**-.1091399**	**-.0374014**
_cons	**.0295097**	**.0078165**	**3.78**	**0.000**	**.0141896**	**.0448298**
REA1						
RarePrice						
L1.	**-.0059702**	**.2582768**	**-0.02**	**0.982**	**-.5121833**	**.5002429**
L2.	**.5199486**	**.2449164**	**2.12**	**0.034**	**.0399212**	**.999976**
RareProduction						
L1.	**1.030903**	**.909205**	**1.13**	**0.257**	**-.7511057**	**2.812913**
L2.	**.391413**	**.9741043**	**0.40**	**0.688**	**-1.517796**	**2.300622**
REA1						
L1.	**.7656831**	**.1352403**	**5.66**	**0.000**	**.500617**	**1.030749**
L2.	**-.1720763**	**.1378746**	**-1.25**	**0.212**	**-.4423055**	**.0981528**
_cons	**-.0424623**	**.0588877**	**-0.72**	**0.471**	**-.1578802**	**.0729555**

```
2 . varstable
```

Eigenvalue stability condition

Eigenvalue	Modulus
.1482841 + .6060266*i*	.623904
.1482841 - .6060266*i*	.623904
-.2557742 + .4883768*i*	.551301
-.2557742 - .4883768*i*	.551301
.4098917	.409892
.3492326	.349233

All the eigenvalues lie inside the unit circle.
VAR satisfies stability condition.

```
3 . predict error33, resid
  (5 missing values generated)

4 . summarize error33
```

Variable	Obs	Mean	Std. Dev.	Min	Max
error33	50	2.14e-10	.1911003	-.39514	.5868568

```
5 . tsline error33, yline(2.14e-10)

6 . varlmar
```

Lagrange-multiplier test

lag	chi2	df	Prob > chi2
1	8.8846	9	0.44800
2	13.9454	9	0.12428

H0: no autocorrelation at lag order

```
7 . vargranger
```

Granger causality Wald tests

Equation	Excluded	chi2	df	Prob > chi2
RarePrice	RareProduction	6.1054	2	0.047
RarePrice	REA1	2.9679	2	0.227
RarePrice	ALL	10.471	4	0.033
RareProduction	RarePrice	.21198	2	0.899
RareProduction	REA1	17.514	2	0.000
RareProduction	ALL	17.94	4	0.001
REA1	RarePrice	4.6696	2	0.097
REA1	RareProduction	1.3997	2	0.497
REA1	ALL	6.4613	4	0.167

```
8 . irf table fevd, impulse( RarePrice RareProduction REA1 ) response( RarePrice RareProduction REA1 ) noc
```

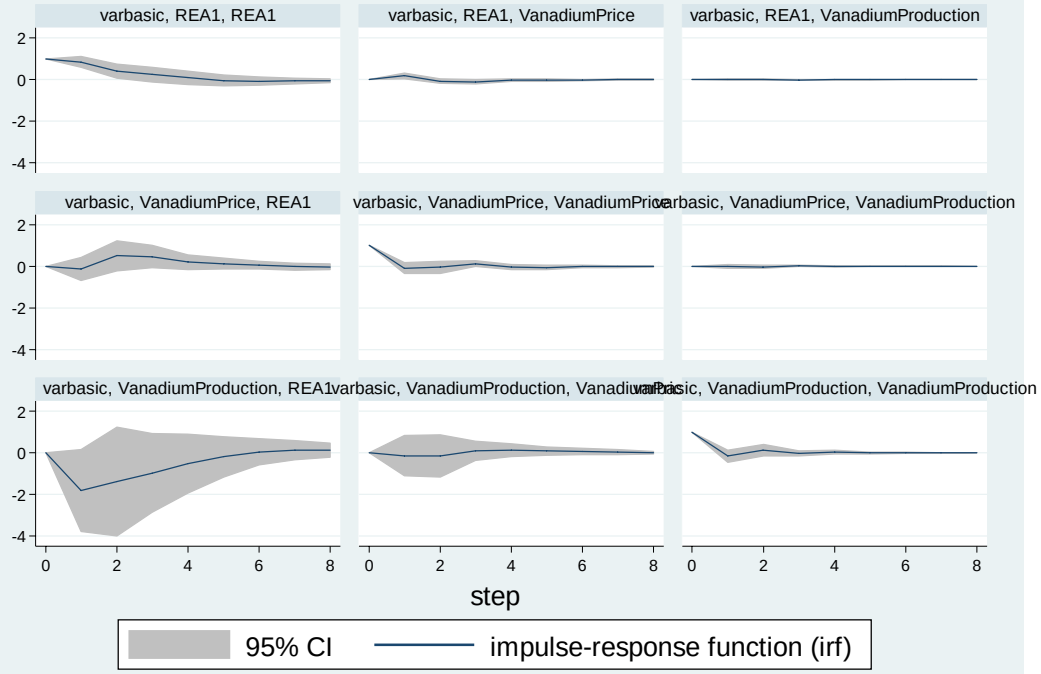
Results from varbasic

step	(1) fevd	(2) fevd	(3) fevd	(4) fevd	(5) fevd	(6) fevd	(7) fevd	(8) fevd
0	0	0	0	0	0	0	0	0
1	1	.016332	.001477	0	.983668	5.4e-06	0	0
2	.933597	.020313	.000968	.065236	.930449	.01119	.001167	.049238
3	.897754	.016147	.043592	.090148	.83459	.021275	.012098	.149262
4	.846058	.014992	.058508	.096932	.750021	.021173	.05701	.234987
5	.839427	.023184	.059636	.100051	.74354	.021328	.060522	.233276
6	.837002	.028599	.059657	.100048	.738	.021857	.062951	.233401
7	.836652	.028935	.059602	.100251	.737742	.021904	.063097	.233323
8	.836344	.029349	.059614	.100202	.737171	.021906	.063454	.23348

step	(9) fevd
0	**0**
1	**.998518**
2	**.987842**
3	**.935133**
4	**.920318**
5	**.919036**
6	**.918486**
7	**.918494**
8	**.918479**

(1) irfname = varbasic, impulse = RarePrice, and response = RarePrice
(2) irfname = varbasic, impulse = RarePrice, and response = RareProduction
(3) irfname = varbasic, impulse = RarePrice, and response = REA1
(4) irfname = varbasic, impulse = RareProduction, and response = RarePrice
(5) irfname = varbasic, impulse = RareProduction, and response = RareProduction
(6) irfname = varbasic, impulse = RareProduction, and response = REA1
(7) irfname = varbasic, impulse = REA1, and response = RarePrice
(8) irfname = varbasic, impulse = REA1, and response = RareProduction
(9) irfname = varbasic, impulse = REA1, and response = REA1

9 .



Graphs by irfname, impulse variable, and response variable

stata™

```
1 . varbasic VanadiumPrice VanadiumProduction  REA1, lags(1/2) step(8) irf
```

Vector autoregression

Sample:	**1970 - 2019**	Number of obs	=	**50**
Log likelihood	= **84.04813**	AIC	=	**-2.521925**
FPE	= **.0000162**	HQIC	=	**-2.216119**
Det(Sigma_ml)	= **6.96e-06**	SBIC	=	**-1.718875**

Equation	Parms	RMSE	R-sq	chi2	P>chi2
VanadiumPrice	**7**	**.180665**	**0.1897**	**11.70639**	**0.0688**
VanadiumProduc~n	**7**	**.053999**	**0.0538**	**2.841185**	**0.8285**
REA1	**7**	**.368186**	**0.5150**	**53.08636**	**0.0000**

	Coef.	Std. Err.	z	P>|z|	[95% Conf.	Interval]
VanadiumPrice						
VanadiumPrice						
L1.	**-.0870717**	**.1370181**	**-0.64**	**0.525**	**-.3556223**	**.1814789**
L2.	**-.0395604**	**.1422833**	**-0.28**	**0.781**	**-.3184305**	**.2393097**
VanadiumProduction						
L1.	**-.1397534**	**.4960095**	**-0.28**	**0.778**	**-1.111914**	**.8324073**
L2.	**.1537236**	**.5019498**	**0.31**	**0.759**	**-.83008**	**1.137527**
REA1						
L1.	**.1818439**	**.0666095**	**2.73**	**0.006**	**.0512917**	**.312396**
L2.	**-.2069445**	**.0668446**	**-3.10**	**0.002**	**-.3379576**	**-.0759314**
_cons	**.0205741**	**.0270157**	**0.76**	**0.446**	**-.0323757**	**.0735239**
VanadiumProduction						
VanadiumPrice						
L1.	**-.0109584**	**.0409533**	**-0.27**	**0.789**	**-.0912255**	**.0693086**
L2.	**-.0274083**	**.042527**	**-0.64**	**0.519**	**-.1107598**	**.0559432**
VanadiumProduction						
L1.	**-.1524282**	**.1482522**	**-1.03**	**0.304**	**-.4429972**	**.1381409**
L2.	**.1303844**	**.1500277**	**0.87**	**0.385**	**-.1636645**	**.4244334**
REA1						
L1.	**.0144648**	**.0199089**	**0.73**	**0.468**	**-.0245559**	**.0534855**
L2.	**-.0147656**	**.0199792**	**-0.74**	**0.460**	**-.0539241**	**.0243928**
_cons	**.0193673**	**.0080747**	**2.40**	**0.016**	**.0035411**	**.0351934**
REA1						
VanadiumPrice						
L1.	**-.1267078**	**.2792353**	**-0.45**	**0.650**	**-.673999**	**.4205834**
L2.	**.5795115**	**.2899654**	**2.00**	**0.046**	**.0111897**	**1.147833**
VanadiumProduction						
L1.	**-1.808436**	**1.01084**	**-1.79**	**0.074**	**-3.789646**	**.1727734**
L2.	**-.1401569**	**1.022946**	**-0.14**	**0.891**	**-2.145094**	**1.86478**
REA1						
L1.	**.8502516**	**.1357464**	**6.26**	**0.000**	**.5841936**	**1.11631**
L2.	**-.2675444**	**.1362256**	**-1.96**	**0.050**	**-.5345417**	**-.000547**
_cons	**.0283389**	**.0550565**	**0.51**	**0.607**	**-.0795698**	**.1362476**

```
2 . varstable
```

Eigenvalue stability condition

Eigenvalue	Modulus
.5912314 + .3261711*i*	.675235
.5912314 - .3261711*i*	.675235
-.197975 + .5003265*i*	.538071
-.197975 - .5003265*i*	.538071
-.4236271	.423627
.247866	.247866

All the eigenvalues lie inside the unit circle.
VAR satisfies stability condition.

```
3 . predict error11, resid
(5 missing values generated)

4 . summarize error11
```

Variable	Obs	Mean	Std. Dev.	Min	Max
error11	50	-4.42e-10	.169243	-.3790916	.3782963

```
5 . tsline error11, yline(-4.42e-10 )

6 . varlmar
```

Lagrange-multiplier test

lag	chi2	df	Prob > chi2
1	17.8585	9	0.03685
2	12.5871	9	0.18220

H0: no autocorrelation at lag order

```
7 . vargranger
```

Granger causality Wald tests

Equation	Excluded	chi2	df	Prob > chi2
VanadiumPrice	VanadiumProduct~n	.20486	2	0.903
VanadiumPrice	REA1	10.391	2	0.006
VanadiumPrice	ALL	10.609	4	0.031
VanadiumProduct~n	VanadiumPrice	.46706	2	0.792
VanadiumProduct~n	REA1	.64515	2	0.724
VanadiumProduct~n	ALL	1.2385	4	0.872
REA1	VanadiumPrice	4.3318	2	0.115
REA1	VanadiumProduct~n	3.2209	2	0.200
REA1	ALL	9.0186	4	0.061

```
8 . irf table fevd, impulse( VanadiumPrice VanadiumProduction REA1 ) response( VanadiumPrice VanadiumProdu
> 1 ) noci
```

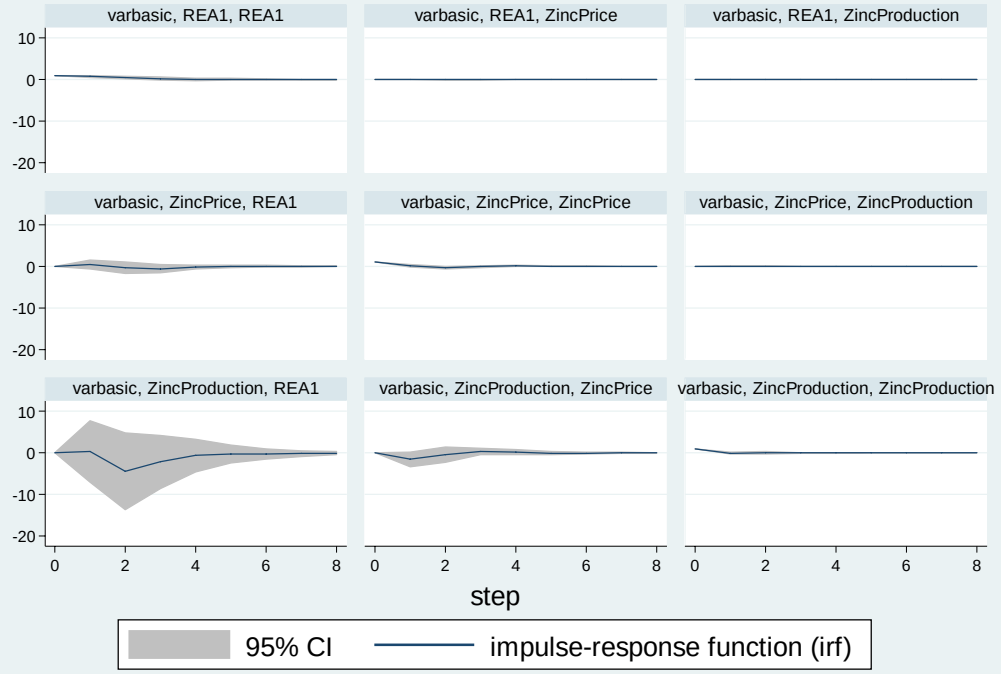
Results from varbasic

step	(1) fevd	(2) fevd	(3) fevd	(4) fevd	(5) fevd	(6) fevd	(7) fevd	(8) fevd
0	0	0	0	0	0	0	0	0
1	1	.114571	.005648	0	.885429	.036698	0	0
2	.883537	.117424	.007848	.000882	.873544	.025893	.11558	.009032
3	.865914	.117786	.029579	.00473	.871443	.029679	.129356	.010771
4	.839299	.118401	.0477	.004621	.868185	.031918	.15608	.013414
5	.836729	.11839	.050115	.005145	.868176	.033156	.158126	.013433
6	.834693	.118618	.05115	.005227	.867944	.033671	.16008	.013439
7	.833305	.118621	.051249	.005294	.867924	.033602	.161401	.013456
8	.833247	.118618	.051196	.005378	.867905	.033546	.161375	.013477

step	(9) fevd
0	**0**
1	**.957654**
2	**.96626**
3	**.940742**
4	**.920382**
5	**.916729**
6	**.91518**
7	**.915149**
8	**.915258**

(1) irfname = varbasic, impulse = VanadiumPrice, and response = VanadiumPrice
(2) irfname = varbasic, impulse = VanadiumPrice, and response = VanadiumProduction
(3) irfname = varbasic, impulse = VanadiumPrice, and response = REA1
(4) irfname = varbasic, impulse = VanadiumProduction, and response = VanadiumPrice
(5) irfname = varbasic, impulse = VanadiumProduction, and response = VanadiumProduction
(6) irfname = varbasic, impulse = VanadiumProduction, and response = REA1
(7) irfname = varbasic, impulse = REA1, and response = VanadiumPrice
(8) irfname = varbasic, impulse = REA1, and response = VanadiumProduction
(9) irfname = varbasic, impulse = REA1, and response = REA1

```
9 .
```



Graphs by irfname, impulse variable, and response variable

```
1 . varbasic ZincPrice ZincProduction  REA1, lags(1/2) step(8) irf
```

Vector autoregression

Sample: **1970 - 2019** Number of obs = **50**
Log likelihood = **178.3668** AIC = **-6.29467**
FPE = **3.73e-07** HQIC = **-5.988864**
Det(Sigma_ml) = **1.60e-07** SBIC = **-5.491621**

Equation	Parms	RMSE	R-sq	chi2	P>chi2
ZincPrice	**7**	**.095864**	**0.1594**	**9.482004**	**0.1482**
ZincProduction	**7**	**.014927**	**0.0748**	**4.039964**	**0.6713**
REA1	**7**	**.386845**	**0.4646**	**43.38163**	**0.0000**

	Coef.	Std. Err.	z	P>|z|	[95% Conf.	Interval]
ZincPrice						
ZincPrice						
L1.	**.0972489**	**.1440814**	**0.67**	**0.500**	**-.1851454**	**.3796433**
L2.	**-.2981991**	**.1382792**	**-2.16**	**0.031**	**-.5692214**	**-.0271769**
ZincProduction						
L1.	**-1.562741**	**.931103**	**-1.68**	**0.093**	**-3.387669**	**.2621877**
L2.	**-.3825191**	**.9554966**	**-0.40**	**0.689**	**-2.255258**	**1.49022**
REA1						
L1.	**.0395836**	**.0373292**	**1.06**	**0.289**	**-.0335803**	**.1127474**
L2.	**-.0053895**	**.0354144**	**-0.15**	**0.879**	**-.0748004**	**.0640214**
_cons	**.0381301**	**.0178394**	**2.14**	**0.033**	**.0031656**	**.0730947**
ZincProduction						
ZincPrice						
L1.	**.0209841**	**.0224349**	**0.94**	**0.350**	**-.0229875**	**.0649557**
L2.	**.000239**	**.0215315**	**0.01**	**0.991**	**-.0419619**	**.0424399**
ZincProduction						
L1.	**-.0535437**	**.1449821**	**-0.37**	**0.712**	**-.3377033**	**.2306159**
L2.	**.0025925**	**.1487804**	**0.02**	**0.986**	**-.2890117**	**.2941967**
REA1						
L1.	**.0068224**	**.0058125**	**1.17**	**0.241**	**-.00457**	**.0182147**
L2.	**-.0011793**	**.0055144**	**-0.21**	**0.831**	**-.0119873**	**.0096287**
_cons	**.0074774**	**.0027778**	**2.69**	**0.007**	**.002033**	**.0129217**
REA1						
ZincPrice						
L1.	**.4170945**	**.5814159**	**0.72**	**0.473**	**-.7224597**	**1.556649**
L2.	**-.7512431**	**.5580022**	**-1.35**	**0.178**	**-1.844907**	**.3424212**
ZincProduction						
L1.	**.297657**	**3.757308**	**0.08**	**0.937**	**-7.066531**	**7.661845**
L2.	**-4.039985**	**3.855744**	**-1.05**	**0.295**	**-11.5971**	**3.517134**
REA1						
L1.	**.7436412**	**.1506355**	**4.94**	**0.000**	**.448401**	**1.038881**
L2.	**-.0920177**	**.1429087**	**-0.64**	**0.520**	**-.3721137**	**.1880782**
_cons	**.0369365**	**.0719877**	**0.51**	**0.608**	**-.1041569**	**.1780299**

```
2 . varstable
```

Eigenvalue stability condition

Eigenvalue	Modulus
.08931262 + .5428354*i*	.550134
.08931262 - .5428354*i*	.550134
.4634904	.46349
-.2280627	.228063
.1866468 + .02782901*i*	.18871
.1866468 - .02782901*i*	.18871

All the eigenvalues lie inside the unit circle.
VAR satisfies stability condition.

```
3 . predict error22, resid
(5 missing values generated)

4 . summarize error22
```

Variable	Obs	Mean	Std. Dev.	Min	Max
error22	50	-4.76e-10	.0898036	-.1800298	.3649224

```
5 . stline error22, yline(-4.76e-10)
command stline is unrecognized
r(199);

6 . tsline error22, yline(-4.76e-10)

7 . varlmar
```

Lagrange-multiplier test

lag	chi2	df	Prob > chi2
1	7.2530	9	0.61079
2	11.0325	9	0.27349

H0: no autocorrelation at lag order

```
8 . vargranger
```

Granger causality Wald tests

Equation	Excluded	chi2	df	Prob > chi2
ZincPrice	ZincProduction	2.8815	2	0.237
ZincPrice	REA1	1.4225	2	0.491
ZincPrice	ALL	3.2255	4	0.521
ZincProduction	ZincPrice	.88025	2	0.644
ZincProduction	REA1	1.6793	2	0.432
ZincProduction	ALL	4.0292	4	0.402
REA1	ZincPrice	2.2084	2	0.331
REA1	ZincProduction	1.1274	2	0.569
REA1	ALL	3.4625	4	0.484

```
9 . irf table fevd, impulse( ZincPrice ZincProduction REA1 ) response( ZincPrice ZincProduction REA1 ) noc
```

Results from varbasic

step	(1) fevd	(2) fevd	(3) fevd	(4) fevd	(5) fevd	(6) fevd	(7) fevd	(8) fevd
0	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**
1	**1**	**.008957**	**.064699**	**0**	**.991043**	**.10716**	**0**	**0**
2	**.947178**	**.040667**	**.093061**	**.033314**	**.934912**	**.107048**	**.019508**	**.024421**
3	**.945834**	**.043147**	**.084037**	**.032647**	**.922907**	**.095743**	**.021519**	**.033946**
4	**.944712**	**.044545**	**.085348**	**.033748**	**.918338**	**.092943**	**.02154**	**.037117**
5	**.944377**	**.045198**	**.085496**	**.033961**	**.917354**	**.092492**	**.021662**	**.037448**
6	**.944371**	**.045237**	**.085521**	**.033979**	**.917277**	**.092404**	**.02165**	**.037486**
7	**.944289**	**.045306**	**.085548**	**.034025**	**.91719**	**.092379**	**.021687**	**.037504**
8	**.944298**	**.045306**	**.085549**	**.03402**	**.91718**	**.092375**	**.021683**	**.037514**

step	(9) fevd
0	**0**
1	**.828141**
2	**.799891**
3	**.82022**
4	**.821709**
5	**.822012**
6	**.822075**
7	**.822073**
8	**.822076**

(1) irfname = varbasic, impulse = ZincPrice, and response = ZincPrice
(2) irfname = varbasic, impulse = ZincPrice, and response = ZincProduction
(3) irfname = varbasic, impulse = ZincPrice, and response = REA1
(4) irfname = varbasic, impulse = ZincProduction, and response = ZincPrice
(5) irfname = varbasic, impulse = ZincProduction, and response = ZincProduction
(6) irfname = varbasic, impulse = ZincProduction, and response = REA1
(7) irfname = varbasic, impulse = REA1, and response = ZincPrice
(8) irfname = varbasic, impulse = REA1, and response = ZincProduction
(9) irfname = varbasic, impulse = REA1, and response = REA1

10 .