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name: <unnamed>
log: C:\Users\40018815\OneDrive - Edinburgh Napier University\Surplus Value paper\SER\EXCEL\SER A
> LL.smcl
log type: smcl
opened on: 14 Jun 2025, 22:18:55

1 . import excel "C:\Users\40018815\OneDrive - Edinburgh Napier University\Surplus Value paper\CJE\R_R\FULL
> MATRIX.xlsx", sheet("Sheet1") firstrow
no; data in memory would be lost
r(4);

2 . import excel "C:\Users\40018815\OneDrive - Edinburgh Napier University\Surplus Value paper\CJE\R_R\FULL
> MATRIX.xlsx", sheet("Sheet1") firstrow
no; data in memory would be lost
r(4);

3 . clear

4 . import excel "C:\Users\40018815\OneDrive - Edinburgh Napier University\Surplus Value paper\SER\EXCEL\FU
> LL MATRIX.xlsx", sheet("Sheet1") firstrow
(197 vars, 29 obs)

5 . ALL YEARS
command ALL is unrecognized
r(199);

6 . ALL YEARS
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7 . ALL YEARS
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8 . ALL YEARS
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r(199);

9 . ALL YEARS
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r(199);

10 . ALL YEARS
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r(199);

11 . ivregress 2sls S_allS_all1992 SLT_allSLT_all1992 melt_allmelt_all1992 GFCG_index LupLp_prv_empl LupLp_
> mix WupWp ( w_hrl_allw_hr_all1992 = SLT_allSLT_all1992 melt_allmelt_all1992 CPI1992 GFCG_index LupLp_p
> rv_empl LupLp_mix LuppPubLp WupWp )

Instrumental-variables 2SLS regression                               Number of obs      =        28
Wald chi2(7)           =     6466.22
Prob > chi2            =     0.0000
R-squared              =     0.9960
Root MSE               =     .25273

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	Coefficient	Std. err.	z	P> z	[95% conf. interval]
w_hrl_allw_hr_all1992	-1.656319	.0454989	-36.40	0.000	-1.745495 -1.567143
SLT_allSLT_all1992	-.0941893	.0478332	-1.97	0.049	-.1879407 -.0004379
melt_allmelt_all1992	1.618873	.0381536	42.43	0.000	1.544093 1.693652
GFCG_index	.0137463	.0072378	1.90	0.058	-.0004395 .0279321
LupLp_prv_empl	.0136887	.0160139	0.85	0.393	-.0176979 .0450754
LupLp_mix	-.0282468	.0130023	-2.17	0.030	-.0537308 -.0027629
WupWp	-.022583	.0154448	-1.46	0.144	-.0528543 .0076882
_cons	114.9759	5.407778	21.26	0.000	104.3768 125.5749

Endogenous: w\_hrl\_allw\_hr\_all1992

Exogenous: SLT\_allSLT\_all1992 melt\_allmelt\_all1992 GFCG\_index LupLp\_prv\_empl LupLp\_mix  
WupWp CPI1992 LuppPubLp

12 . estat endog

Tests of endogeneity  
H0: Variables are exogenous

Durbin (score) chi2(1) = .264764 (p = 0.6069)  
Wu-Hausman F(1,19) = .181376 (p = 0.6750)

13 . tset YEAR

Time variable: YEAR, 1992 to 2020  
Delta: 1 unit

14 . prais S\_allS\_all1992 w\_hrl\_allw\_hr\_all11992 SLT\_allSLT\_all1992 melt\_allmelt\_all1992 GFCG\_index LupLp\_pr &gt; v\_empl LupLp\_mix WupWp

Number of gaps in sample = 1

note: computations for rho restarted at each gap.

Iteration 0: rho = 0.0000  
Iteration 1: rho = 0.6765  
Iteration 2: rho = 0.7880  
Iteration 3: rho = 0.8166  
Iteration 4: rho = 0.8267  
Iteration 5: rho = 0.8306  
Iteration 6: rho = 0.8321  
Iteration 7: rho = 0.8328  
Iteration 8: rho = 0.8330  
Iteration 9: rho = 0.8331  
Iteration 10: rho = 0.8332  
Iteration 11: rho = 0.8332  
Iteration 12: rho = 0.8332  
Iteration 13: rho = 0.8332  
Iteration 14: rho = 0.8332  
Iteration 15: rho = 0.8332

Prais-Winsten AR(1) regression with iterated estimates

Source	SS	df	MS	Number of obs	=	28
Model	3097.28989	7	442.469984	F(7, 20)	=	11901.42
Residual	.743558018	20	.037177901	Prob > F	=	0.0000
Total	3098.03344	27	114.741979	R-squared	=	0.9998
				Adj R-squared	=	0.9997
				Root MSE	=	.19282

S_allS_all1992	Coefficient	Std. err.	t	P> t	[95% conf. interval]
w_hrl_allw_hr_all11992	-1.606627	.0487511	-32.96	0.000	-1.70832 -1.504934
SLT_allSLT_all1992	-.0293263	.0479816	-0.61	0.548	-.1294142 .0707616
melt_allmelt_all1992	1.5885	.0420976	37.73	0.000	1.500686 1.676314
GFCG_index	.0116397	.0082725	1.41	0.175	-.0056164 .0288958
LupLp_prv_empl	.0074183	.0087426	0.85	0.406	-.0108185 .0256551
LupLp_mix	-.0218084	.0105014	-2.08	0.051	-.0437141 .0000972
WupWp	-.0188443	.0105453	-1.79	0.089	-.0408414 .0031529
_cons	106.564	5.577008	19.11	0.000	94.93054 118.1974
rho	.8332042				

Durbin-Watson statistic (original) = 0.610307

Durbin-Watson statistic (transformed) = 1.589138

15 . reg d.S\_allS\_all1992 d.w\_hrl\_allw\_hr\_all11992 d.SLT\_allSLT\_all1992 d.melt\_allmelt\_all1992 d. GFCG\_index > d.LupLp\_prv\_empl d.LupLp\_mix d.WupWp

Source	SS	df	MS	Number of obs	=	26
Model	<b>187.551056</b>	<b>7</b>	<b>26.793008</b>	F(7, 18)	=	<b>633.36</b>
Residual	<b>.761455248</b>	<b>18</b>	<b>.042303069</b>	Prob > F	=	<b>0.0000</b>
Total	<b>188.312511</b>	<b>25</b>	<b>7.53250046</b>	R-squared	=	<b>0.9960</b>
				Adj R-squared	=	<b>0.9944</b>
				Root MSE	=	<b>.20568</b>

  

D.S_allS_all1992	Coefficient	Std. err.	t	P> t	[95% conf. interval]
w_hrl_allw_hr_all11992 D1.	<b>-1.582229</b>	<b>.0534755</b>	<b>-29.59</b>	<b>0.000</b>	<b>-1.694577</b> <b>-1.469881</b>
SLT_allSLT_all1992 D1.	<b>.0108955</b>	<b>.0631102</b>	<b>0.17</b>	<b>0.865</b>	<b>-.121694</b> <b>.143485</b>
melt_allmelt_all1992 D1.	<b>1.567049</b>	<b>.0493581</b>	<b>31.75</b>	<b>0.000</b>	<b>1.463352</b> <b>1.670747</b>
GFCG_index D1.	<b>.0088653</b>	<b>.009008</b>	<b>0.98</b>	<b>0.338</b>	<b>-.0100598</b> <b>.0277904</b>
LupLp_prv_empl D1.	<b>.0084039</b>	<b>.0087138</b>	<b>0.96</b>	<b>0.348</b>	<b>-.009903</b> <b>.0267108</b>
LupLp_mix D1.	<b>-.0214153</b>	<b>.0108212</b>	<b>-1.98</b>	<b>0.063</b>	<b>-.0441498</b> <b>.0013191</b>
WupWp D1.	<b>-.0198233</b>	<b>.0111535</b>	<b>-1.78</b>	<b>0.092</b>	<b>-.043256</b> <b>.0036093</b>
_cons	<b>.0215883</b>	<b>.053627</b>	<b>0.40</b>	<b>0.692</b>	<b>-.0910779</b> <b>.1342544</b>

16 . vif

Variable	VIF	1/VIF
melt_al~1992 D1.	<b>16.31</b>	<b>0.061315</b>
w_hrl_a~1992 D1.	<b>14.43</b>	<b>0.069306</b>
SLT_all~1992 D1.	<b>4.97</b>	<b>0.201384</b>
GFCG_index D1.	<b>2.16</b>	<b>0.462160</b>
LupLp_prv_~l D1.	<b>2.00</b>	<b>0.500480</b>
WupWp D1.	<b>1.99</b>	<b>0.503168</b>
LupLp_mix D1.	<b>1.29</b>	<b>0.776414</b>
Mean VIF	<b>6.16</b>	

17 . hettest

Breusch-Pagan/Cook-Weisberg test for heteroskedasticity  
Assumption: Normal error terms  
Variable: Fitted values of D.S\_allS\_all1992

H0: Constant variance

chi2(1) = **0.89**  
Prob > chi2 = **0.3460**

18 . hettest, rhs

Breusch-Pagan/Cook-Weisberg test for heteroskedasticity  
 Assumption: Normal error terms  
 Variables: All independent variables

H0: Constant variance

chi2(7) = 2.11  
 Prob > chi2 = 0.9537

19 . ovtest

Ramsey RESET test for omitted variables  
 Omitted: Powers of fitted values of D.S\_allS\_all1992

H0: Model has no omitted variables

F(3, 15) = 2.25  
 Prob > F = 0.1249

20 . ivregress 2sls S\_prodS\_prod1992 SLT\_prodSLT\_prod1992 melt\_prodmelt\_prod1992 GFCG\_index LupLp\_prv\_empl > LupLp\_mix WupWp ( w\_hrl\_prodw\_hr\_prod1992 = SLT\_prodSLT\_prod1992 melt\_prodmelt\_prod1992 CPI1992 GFCG\_in > dex LupLp\_prv\_empl LupLp\_mix WupWp)

Instrumental-variables 2SLS regression

Number of obs	=	28
Wald chi2(7)	=	367.50
Prob > chi2	=	0.0000
R-squared	=	0.9344
Root MSE	=	1.6144

S_prodS_prod1992	Coefficient	Std. err.	z	P> z	[95% conf. interval]
w_hrl_prodw_hr_prod1992	-1.467643	.4978286	-2.95	0.003	-2.443369 -.4919166
SLT_prodSLT_prod1992	-.2265433	.5391627	-0.42	0.674	-1.283283 .8301962
melt_prodmelt_prod1992	1.305981	.3813493	3.42	0.001	.5585506 2.053412
GFCG_index	.1122077	.0756997	1.48	0.138	-.0361611 .2605764
LupLp_prv_empl	.2410492	.1709762	1.41	0.159	-.094058 .5761565
LupLp_mix	-.0851736	.0659415	-1.29	0.196	-.2144166 .0440694
WupWp	-.3751523	.3362518	-1.12	0.265	-1.034194 .2838891
_cons	152.6832	81.33108	1.88	0.060	-6.722733 312.0892

Endogenous: w\_hrl\_prodw\_hr\_prod1992

Exogenous: SLT\_prodSLT\_prod1992 melt\_prodmelt\_prod1992 GFCG\_index LupLp\_prv\_empl LupLp\_mix WupWp CPI1992

21 . estat endog

Tests of endogeneity  
 H0: Variables are exogenous

Durbin (score) chi2(1) = 1.93457 (p = 0.1643)  
 Wu-Hausman F(1,19) = 1.41017 (p = 0.2497)

22 . prais S\_prodS\_prod1992 w\_hrl\_prodw\_hr\_prod1992 SLT\_prodSLT\_prod1992 melt\_prodmelt\_prod1992 GFCG\_index > LupLp\_prv\_empl LupLp\_mix WupWp

Number of gaps in sample = 1  
 note: computations for rho restarted at each gap.

Iteration 0: rho = 0.0000  
 Iteration 1: rho = 0.1050  
 Iteration 2: rho = 0.1708  
 Iteration 3: rho = 0.2147  
 Iteration 4: rho = 0.2452  
 Iteration 5: rho = 0.2666  
 Iteration 6: rho = 0.2819  
 Iteration 7: rho = 0.2928  
 Iteration 8: rho = 0.3007  
 Iteration 9: rho = 0.3063  
 Iteration 10: rho = 0.3103  
 Iteration 11: rho = 0.3133  
 Iteration 12: rho = 0.3154

Iteration 13: rho = **0.3169**  
 Iteration 14: rho = **0.3179**  
 Iteration 15: rho = **0.3187**  
 Iteration 16: rho = **0.3193**  
 Iteration 17: rho = **0.3197**  
 Iteration 18: rho = **0.3200**  
 Iteration 19: rho = **0.3202**  
 Iteration 20: rho = **0.3203**  
 Iteration 21: rho = **0.3204**  
 Iteration 22: rho = **0.3205**  
 Iteration 23: rho = **0.3206**  
 Iteration 24: rho = **0.3206**  
 Iteration 25: rho = **0.3206**  
 Iteration 26: rho = **0.3206**  
 Iteration 27: rho = **0.3207**  
 Iteration 28: rho = **0.3207**  
 Iteration 29: rho = **0.3207**  
 Iteration 30: rho = **0.3207**  
 Iteration 31: rho = **0.3207**  
 Iteration 32: rho = **0.3207**  
 Iteration 33: rho = **0.3207**  
 Iteration 34: rho = **0.3207**  
 Iteration 35: rho = **0.3207**  
 Iteration 36: rho = **0.3207**

Prais-Winsten AR(1) regression with iterated estimates

Source	SS	df	MS	Number of obs	=	28
Model	<b>1694.09149</b>	<b>7</b>	<b>242.01307</b>	F(7, 20)	=	<b>129.16</b>
Residual	<b>37.4737588</b>	<b>20</b>	<b>1.87368794</b>	Prob > F	=	<b>0.0000</b>
				R-squared	=	<b>0.9784</b>
				Adj R-squared	=	<b>0.9708</b>
Total	<b>1731.56525</b>	<b>27</b>	<b>64.1320463</b>	Root MSE	=	<b>1.3688</b>

S_prodS_prod1992	Coefficient	Std. err.	t	P> t	[95% conf. interval]
w_hrl_prodw_hr_prod1992	<b>-1.015893</b>	<b>.1218247</b>	<b>-8.34</b>	<b>0.000</b>	<b>-1.270015</b> <b>-.7617709</b>
SLT_prodSLT_prod1992	<b>.2474772</b>	<b>.2097421</b>	<b>1.18</b>	<b>0.252</b>	<b>-.1900371</b> <b>.6849915</b>
melt_prodmelt_prod1992	<b>.9751387</b>	<b>.1097329</b>	<b>8.89</b>	<b>0.000</b>	<b>.7462399</b> <b>1.204037</b>
GFCG_index	<b>.0332502</b>	<b>.0404934</b>	<b>0.82</b>	<b>0.421</b>	<b>-.0512176</b> <b>.1177179</b>
LupLp_prv_empl	<b>.07386</b>	<b>.0926621</b>	<b>0.80</b>	<b>0.435</b>	<b>-.1194298</b> <b>.2671497</b>
LupLp_mix	<b>-.0832134</b>	<b>.0607117</b>	<b>-1.37</b>	<b>0.186</b>	<b>-.2098558</b> <b>.0434289</b>
WupWp	<b>-.03561</b>	<b>.1082428</b>	<b>-0.33</b>	<b>0.746</b>	<b>-.2614004</b> <b>.1901805</b>
_cons	<b>80.97215</b>	<b>25.96621</b>	<b>3.12</b>	<b>0.005</b>	<b>26.80759</b> <b>135.1367</b>
rho	<b>.3207004</b>				

Durbin-Watson statistic (original) = **1.264759**

Durbin-Watson statistic (transformed) = **1.501439**

23 . reg d.S\_prodS\_prod1992 d.w\_hrl\_prodw\_hr\_prod1992 d.SLT\_prodSLT\_prod1992 d.melt\_prodmelt\_prod1992 d.GFC  
> G\_index d.LupLp\_prv\_empl d.LupLp\_mix d.WupWp

Source	SS	df	MS	Number of obs	=	26
Model	<b>1103.19567</b>	<b>7</b>	<b>157.599381</b>	F(7, 18)	=	<b>163.54</b>
Residual	<b>17.3460907</b>	<b>18</b>	<b>.963671705</b>	Prob > F	=	<b>0.0000</b>
Total	<b>1120.54176</b>	<b>25</b>	<b>44.8216703</b>	R-squared	=	<b>0.9845</b>
				Adj R-squared	=	<b>0.9785</b>
				Root MSE	=	<b>.98167</b>

D.S_prodS_prod1992	Coefficient	Std. err.	t	P> t	[95% conf. interval]
w_hrl_prodw_hr_prod1992 D1.	<b>-.8880923</b>	<b>.0985229</b>	<b>-9.01</b>	<b>0.000</b>	<b>-1.095081</b> <b>-.6811033</b>
SLT_prodSLT_prod1992 D1.	<b>.8654397</b>	<b>.2513664</b>	<b>3.44</b>	<b>0.003</b>	<b>.3373386</b> <b>1.393541</b>
melt_prodmelt_prod1992 D1.	<b>.8374042</b>	<b>.0942269</b>	<b>8.89</b>	<b>0.000</b>	<b>.639441</b> <b>1.035368</b>
GFCG_index					

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D1.	<b>-.0748142</b>	<b>.0437112</b>	<b>-1.71</b>	<b>0.104</b>	<b>-.166648</b>	<b>.0170195</b>
LupLp_prv_empl						
D1.	<b>.0316651</b>	<b>.0694126</b>	<b>0.46</b>	<b>0.654</b>	<b>-.1141655</b>	<b>.1774956</b>
LupLp_mix						
D1.	<b>.0299004</b>	<b>.0480764</b>	<b>0.62</b>	<b>0.542</b>	<b>-.0711044</b>	<b>.1309052</b>
WupWp						
D1.	<b>-.0462908</b>	<b>.070844</b>	<b>-0.65</b>	<b>0.522</b>	<b>-.1951285</b>	<b>.1025468</b>
_cons	<b>.6581934</b>	<b>.2248837</b>	<b>2.93</b>	<b>0.009</b>	<b>.1857303</b>	<b>1.130657</b>

24 . vif

Variable	VIF	1/VIF
w_hrl_p~1992		
D1.	<b>8.48</b>	<b>0.117907</b>
SLT_pro~1992		
D1.	<b>6.74</b>	<b>0.148384</b>
LupLp_prv_~1		
D1.	<b>5.57</b>	<b>0.179671</b>
melt_pr~1992		
D1.	<b>4.51</b>	<b>0.221593</b>
WupWp		
D1.	<b>3.52</b>	<b>0.284111</b>
GFCG_index		
D1.	<b>2.24</b>	<b>0.447118</b>
LupLp_mix		
D1.	<b>1.12</b>	<b>0.896058</b>
Mean VIF		<b>4.60</b>

25 . hettest

Breusch-Pagan/Cook-Weisberg test for heteroskedasticity  
Assumption: Normal error terms  
Variable: Fitted values of D.S\_prodS\_prod1992

H0: Constant variance

chi2(1) = **0.75**  
Prob > chi2 = **0.3861**

26 . hettest, rhs

Breusch-Pagan/Cook-Weisberg test for heteroskedasticity  
Assumption: Normal error terms  
Variables: All independent variables

H0: Constant variance

chi2(7) = **7.79**  
Prob > chi2 = **0.3515**

27 . ovtest

Ramsey RESET test for omitted variables  
Omitted: Powers of fitted values of D.S\_prodS\_prod1992

H0: Model has no omitted variables

F(3, 15) = **0.58**  
Prob > F = **0.6400**

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28 . NO CAPITAL
  command NO is unrecognized
r(199);

29 . NO CAPITAL
  command NO is unrecognized
r(199);

30 . NO CAPITAL
  command NO is unrecognized
r(199);

31 . NO CAPITAL
  command NO is unrecognized
r(199);

32 . NO CAPITAL
  command NO is unrecognized
r(199);

33 . ivregress 2sls S_allS_all1992 SLT_allSLT_all1992 melt_allmelt_all1992 LupLp_prv_empl LupLp_mix WupWp (
  > w_hrl_allw_hr_all1992 = SLT_allSLT_all1992 melt_allmelt_all1992 CPI1992 GFCG_index LupLp_prv_empl Lup
  > LupLp_mix LuppPubLp WupWp)

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Instrumental-variables 2SLS regression

	Number of obs	=	28
Wald chi2(6)	=	<b>5606.18</b>	
Prob > chi2	=	<b>0.0000</b>	
R-squared	=	<b>0.9954</b>	
Root MSE	=	<b>.27135</b>	

S_allS_all1992	Coefficient	Std. err.	z	P> z	[95% conf. interval]
w_hrl_allw_hr_all1992	<b>-1.6252</b>	<b>.045573</b>	<b>-35.66</b>	<b>0.000</b>	<b>-1.714521</b> <b>-1.535878</b>
SLT_allSLT_all1992	<b>-.0946894</b>	<b>.0513563</b>	<b>-1.84</b>	<b>0.065</b>	<b>-.1953459</b> <b>.005967</b>
melt_allmelt_all1992	<b>1.602686</b>	<b>.0399292</b>	<b>40.14</b>	<b>0.000</b>	<b>1.524426</b> <b>1.680946</b>
LupLp_prv_empl	<b>.0027695</b>	<b>.0160473</b>	<b>0.17</b>	<b>0.863</b>	<b>-.0286827</b> <b>.0342216</b>
LupLp_mix	<b>-.0249564</b>	<b>.0138357</b>	<b>-1.80</b>	<b>0.071</b>	<b>-.0520738</b> <b>.002161</b>
WupWp	<b>-.0136626</b>	<b>.0157972</b>	<b>-0.86</b>	<b>0.387</b>	<b>-.0446246</b> <b>.0172994</b>
_cons	<b>114.6335</b>	<b>5.802937</b>	<b>19.75</b>	<b>0.000</b>	<b>103.26</b> <b>126.007</b>

Endogenous: **w\_hrl\_allw\_hr\_all1992**  
 Exogenous: **SLT\_allSLT\_all1992 melt\_allmelt\_all1992 LupLp\_prv\_empl LupLp\_mix WupWp CPI1992**  
**GFCG\_index LuppPubLp**

34 . estat endog

Tests of endogeneity  
 H0: Variables are exogenous

Durbin (score) chi2(1)	=	<b>.682955</b> (p = <b>0.4086</b> )
Wu-Hausman F(1,20)	=	<b>.500021</b> (p = <b>0.4876</b> )

35 . prais S\_allS\_all1992 w\_hrl\_allw\_hr\_all1992 SLT\_allSLT\_all1992 melt\_allmelt\_all1992 LupLp\_prv\_empl LupL
 > p\_mix WupWp

Number of gaps in sample = 1  
 note: computations for rho restarted at each gap.

Iteration 0: rho = **0.0000**  
 Iteration 1: rho = **0.6482**  
 Iteration 2: rho = **0.8218**  
 Iteration 3: rho = **0.8788**  
 Iteration 4: rho = **0.8993**  
 Iteration 5: rho = **0.9069**  
 Iteration 6: rho = **0.9098**  
 Iteration 7: rho = **0.9108**  
 Iteration 8: rho = **0.9113**  
 Iteration 9: rho = **0.9114**  
 Iteration 10: rho = **0.9115**  
 Iteration 11: rho = **0.9115**  
 Iteration 12: rho = **0.9115**  
 Iteration 13: rho = **0.9115**  
 Iteration 14: rho = **0.9115**

Iteration 15: rho = **0.9115**

## Prais-Winsten AR(1) regression with iterated estimates

Source	SS	df	MS	Number of obs	=	28
Model	<b>2211.82216</b>	6	<b>368.637027</b>	F(6, 21)	=	<b>9681.64</b>
Residual	<b>.799593847</b>	21	<b>.038075897</b>	Prob > F	=	<b>0.0000</b>
Total	<b>2212.62176</b>	27	<b>81.9489539</b>	R-squared	=	<b>0.9996</b>
				Adj R-squared	=	<b>0.9995</b>
				Root MSE	=	<b>.19513</b>

S_allS_all1992	Coefficient	Std. err.	t	P> t	[95% conf. interval]
w_hrl_allw_hr_all1992	<b>-1.578774</b>	<b>.0479703</b>	<b>-32.91</b>	<b>0.000</b>	<b>-1.678534</b> <b>-1.479014</b>
SLT_allSLT_all1992	<b>-.0002678</b>	<b>.0485851</b>	<b>-0.01</b>	<b>0.996</b>	<b>-.1013059</b> <b>.1007704</b>
melt_allmelt_all1992	<b>1.581313</b>	<b>.0436468</b>	<b>36.23</b>	<b>0.000</b>	<b>1.490545</b> <b>1.672082</b>
LupLp_prv_empl	<b>.0087622</b>	<b>.0085363</b>	<b>1.03</b>	<b>0.316</b>	<b>-.0089899</b> <b>.0265143</b>
LupLp_mix	<b>-.0179767</b>	<b>.0100255</b>	<b>-1.79</b>	<b>0.087</b>	<b>-.0388257</b> <b>.0028724</b>
WupWp	<b>-.0181571</b>	<b>.0184069</b>	<b>-1.74</b>	<b>0.096</b>	<b>-.0397995</b> <b>.0034853</b>
_cons	<b>102.2647</b>	<b>5.338312</b>	<b>19.16</b>	<b>0.000</b>	<b>91.16306</b> <b>113.3663</b>
rho	<b>.9115145</b>				

Durbin-Watson statistic (original) = **0.654106**Durbin-Watson statistic (transformed) = **1.670272**

36 . reg d.S\_allS\_all1992 d.w\_hrl\_allw\_hr\_all1992 d.SLT\_allSLT\_all1992 d.melt\_allmelt\_all1992 d.LupLp\_prv\_empl d.LupLp\_mix d.WupWp

Source	SS	df	MS	Number of obs	=	26
Model	<b>187.510083</b>	6	<b>31.2516805</b>	F(6, 19)	=	<b>739.98</b>
Residual	<b>.802428677</b>	19	<b>.042233088</b>	Prob > F	=	<b>0.0000</b>
Total	<b>188.312511</b>	25	<b>7.53250046</b>	R-squared	=	<b>0.9957</b>
				Adj R-squared	=	<b>0.9944</b>
				Root MSE	=	<b>.20551</b>

D.S_allS_all1992	Coefficient	Std. err.	t	P> t	[95% conf. interval]
w_hrl_allw_hr_all1992 D1.	<b>-1.5658</b>	<b>.0507611</b>	<b>-30.85</b>	<b>0.000</b>	<b>-1.672044</b> <b>-1.459556</b>
SLT_allSLT_all1992 D1.	<b>.0303306</b>	<b>.0598913</b>	<b>0.51</b>	<b>0.618</b>	<b>-.0950233</b> <b>.1556845</b>
melt_allmelt_all1992 D1.	<b>1.56411</b>	<b>.0492269</b>	<b>31.77</b>	<b>0.000</b>	<b>1.461077</b> <b>1.667143</b>
LupLp_prv_empl D1.	<b>.0094558</b>	<b>.0086408</b>	<b>1.09</b>	<b>0.287</b>	<b>-.0086296</b> <b>.0275412</b>
LupLp_mix D1.	<b>-.0180681</b>	<b>.0102643</b>	<b>-1.76</b>	<b>0.094</b>	<b>-.0395515</b> <b>.0034153</b>
WupWp D1.	<b>-.0202652</b>	<b>.0111352</b>	<b>-1.82</b>	<b>0.085</b>	<b>-.0435715</b> <b>.0030411</b>
_cons	<b>.0310566</b>	<b>.0527133</b>	<b>0.59</b>	<b>0.563</b>	<b>-.0792736</b> <b>.1413869</b>

37 . vif

Variable	VIF	1/VIF
melt_al~1992 D1.	<b>16.25</b>	<b>0.061540</b>
w_hrl_a~1992 D1.	<b>13.02</b>	<b>0.076790</b>
SLT_all~1992 D1.	<b>4.48</b>	<b>0.223243</b>
WupWp D1.	<b>1.98</b>	<b>0.503985</b>
LupLp_prv_~1 D1.	<b>1.97</b>	<b>0.508125</b>
LupLp_mix D1.	<b>1.16</b>	<b>0.861520</b>
Mean VIF		<b>6.48</b>

38 . hettest

Breusch-Pagan/Cook-Weisberg test for heteroskedasticity  
 Assumption: Normal error terms  
 Variable: Fitted values of D.S\_allS\_all1992

H0: Constant variance

chi2(1) = **0.96**  
 Prob > chi2 = **0.3284**

39 . hettest, rhs

Breusch-Pagan/Cook-Weisberg test for heteroskedasticity  
 Assumption: Normal error terms  
 Variables: All independent variables

H0: Constant variance

chi2(6) = **2.03**  
 Prob > chi2 = **0.9173**

40 . ovtest

Ramsey RESET test for omitted variables  
 Omitted: Powers of fitted values of D.S\_allS\_all1992

H0: Model has no omitted variables

F(3, 16) = **2.37**  
 Prob > F = **0.1085**

41 . ivregress 2sls S\_prodS\_prod1992 SLT\_prodSLT\_prod1992 melt\_prodmelt\_prod1992 LupLp\_prv\_empl LupLp\_mix Wu > pwp ( w\_hrl\_prodw\_hr\_prod1992 = SLT\_prodSLT\_prod1992 melt\_prodmelt\_prod1992 CPI1992 GFCG\_index LupLp\_pr > v\_empl LupLp\_mix WupWp)

Instrumental-variables 2SLS regression

Number of obs	=	<b>28</b>
Wald chi2(6)	=	<b>603.64</b>
Prob > chi2	=	<b>0.0000</b>
R-squared	=	<b>0.9603</b>
Root MSE	=	<b>1.2559</b>

S_prodS_prod1992	Coefficient	Std. err.	z	P> z	[95% conf. interval]
w_hrl_prodw_hr_prod1992	<b>-.8127189</b>	<b>.1784376</b>	<b>-4.55</b>	<b>0.000</b>	<b>-1.16245</b> <b>-.4629875</b>
SLT_prodSLT_prod1992	<b>.4280709</b>	<b>.2406062</b>	<b>1.78</b>	<b>0.075</b>	<b>-.0435086</b> <b>.8996504</b>
melt_prodmelt_prod1992	<b>.8302313</b>	<b>.1602083</b>	<b>5.18</b>	<b>0.000</b>	<b>.5162289</b> <b>1.144234</b>
LupLp_prv_empl	<b>.048699</b>	<b>.0866034</b>	<b>0.56</b>	<b>0.574</b>	<b>-.1210406</b> <b>.2184385</b>
LupLp_mix	<b>-.0772709</b>	<b>.0511299</b>	<b>-1.51</b>	<b>0.131</b>	<b>-.1774837</b> <b>.0229419</b>
WupWp	<b>.0656181</b>	<b>.1221167</b>	<b>0.54</b>	<b>0.591</b>	<b>-.1737262</b> <b>.3049624</b>
_cons	<b>51.83696</b>	<b>34.66806</b>	<b>1.50</b>	<b>0.135</b>	<b>-16.1112</b> <b>119.7851</b>

Endogenous: w\_hrl\_prodw\_hr\_prod1992

Exogenous: SLT\_prodSLT\_prod1992 melt\_prodmelt\_prod1992 LupLp\_prv\_empl LupLp\_mix WupWp  
 CPI1992 GFCG\_index

42 . estat endog

Tests of endogeneity  
H0: Variables are exogenous

Durbin (score) chi2(1) = **.403249** (p = **0.5254**)  
Wu-Hausman F(**1,20**) = **.292244** (p = **0.5948**)

43 . prais S\_prodS\_prod1992 w\_hrl\_prodw\_hr\_prod1992 SLT\_prodSLT\_prod1992 melt\_prodmelt\_prod1992 LupLp\_prv\_em &gt; pl LupLp\_mix WupWp

Number of gaps in sample = **1**

note: computations for rho restarted at each gap.

Iteration 0: rho = **0.0000**  
Iteration 1: rho = **0.2499**  
Iteration 2: rho = **0.3872**  
Iteration 3: rho = **0.4605**  
Iteration 4: rho = **0.4956**  
Iteration 5: rho = **0.5109**  
Iteration 6: rho = **0.5172**  
Iteration 7: rho = **0.5196**  
Iteration 8: rho = **0.5206**  
Iteration 9: rho = **0.5210**  
Iteration 10: rho = **0.5212**  
Iteration 11: rho = **0.5212**  
Iteration 12: rho = **0.5212**  
Iteration 13: rho = **0.5213**  
Iteration 14: rho = **0.5213**  
Iteration 15: rho = **0.5213**  
Iteration 16: rho = **0.5213**

Prais-Winsten AR(1) regression with iterated estimates

Source	SS	df	MS	Number of obs	=	28
Model	<b>3010.80323</b>	<b>6</b>	<b>501.800539</b>	F(6, 21)	=	<b>282.87</b>
Residual	<b>37.2535587</b>	<b>21</b>	<b>1.77397899</b>	Prob > F	=	<b>0.0000</b>
Total	<b>3048.05679</b>	<b>27</b>	<b>112.890992</b>	R-squared	=	<b>0.9878</b>
				Adj R-squared	=	<b>0.9843</b>
				Root MSE	=	<b>1.3319</b>

S_prodS_prod1992	Coefficient	Std. err.	t	P> t	[95% conf. interval]
w_hrl_prodw_hr_prod1992	<b>-1.02243</b>	<b>.1147453</b>	<b>-8.91</b>	<b>0.000</b>	<b>-1.261056</b> <b>-.7838043</b>
SLT_prodSLT_prod1992	<b>.2219457</b>	<b>.2298179</b>	<b>0.97</b>	<b>0.345</b>	<b>-.2559868</b> <b>.6998782</b>
melt_prodmelt_prod1992	<b>1.005066</b>	<b>.1076876</b>	<b>9.33</b>	<b>0.000</b>	<b>.7811176</b> <b>1.229015</b>
LupLp_prv_empl	<b>.0363436</b>	<b>.0762613</b>	<b>0.48</b>	<b>0.639</b>	<b>-.1222505</b> <b>.1949377</b>
LupLp_mix	<b>-.0883237</b>	<b>.0615666</b>	<b>-1.43</b>	<b>0.166</b>	<b>-.2163584</b> <b>.0397111</b>
WupWp	<b>.0000844</b>	<b>.0987262</b>	<b>0.00</b>	<b>0.999</b>	<b>-.205228</b> <b>.2053967</b>
_cons	<b>84.4914</b>	<b>27.70835</b>	<b>3.05</b>	<b>0.006</b>	<b>26.86873</b> <b>142.1141</b>
rho	<b>.521262</b>				

Durbin-Watson statistic (original) = **1.163171**Durbin-Watson statistic (transformed) = **1.678838**

44 . reg d.S\_prodS\_prod1992 d.w\_hrl\_prodw\_hr\_prod1992 d.SLT\_prodSLT\_prod1992 d.melt\_prodmelt\_prod1992 d.LupLp\_prv\_empl d.LupLp\_mix d.WupWp

Source	SS	df	MS	Number of obs	=	26
Model	<b>1100.37266</b>	<b>6</b>	<b>183.395443</b>	F(6, 19)	=	<b>172.76</b>
Residual	<b>20.1691011</b>	<b>19</b>	<b>1.06153163</b>	Prob > F	=	<b>0.0000</b>
Total	<b>1120.54176</b>	<b>25</b>	<b>44.8216703</b>	R-squared	=	<b>0.9820</b>
				Adj R-squared	=	<b>0.9763</b>
				Root MSE	=	<b>1.0303</b>

D.S_prodS_prod1992	Coefficient	Std. err.	t	P> t	[95% conf. interval]
w_hrl_prodw_hr_prod1992 D1.	-.9715986	.0898349	-10.82	0.000	-1.159625 -.783572
SLT_prodSLT_prod1992 D1.	.6650578	.2334584	2.85	0.010	.1764239 1.153692
melt_prodmelt_prod1992 D1.	.7947966	.0953817	8.33	0.000	.5951603 .9944329
LupLp_prv_empl D1.	.1104749	.054515	2.03	0.057	-.0036263 .2245761
LupLp_mix D1.	.0195863	.0500605	0.39	0.700	-.0851916 .1243641
WupWp D1.	-.0745106	.0723124	-1.03	0.316	-.225862 .0768409
_cons	.5747636	.2304147	2.49	0.022	.0925001 1.057027

45 . vif

Variable	VIF	1/VIF
w_hrl_p~1992 D1.	6.40	0.156217
SLT_pro~1992 D1.	5.28	0.189490
melt_pr~1992 D1.	4.20	0.238220
WupWp D1.	3.33	0.300381
LupLp_prv_~1 D1.	3.12	0.320868
LupLp_mix D1.	1.10	0.910361
Mean VIF	3.90	

46 . hettest

Breusch-Pagan/Cook-Weisberg test for heteroskedasticity  
Assumption: Normal error terms  
Variable: Fitted values of D.S\_prodS\_prod1992

H0: Constant variance

chi2(1) = 0.32  
Prob > chi2 = 0.5719

47 . hettest, rhs

Breusch-Pagan/Cook-Weisberg test for heteroskedasticity  
Assumption: Normal error terms  
Variables: All independent variables

H0: Constant variance

chi2(6) = 3.91  
Prob > chi2 = 0.6883

48 . ovtest

Ramsey RESET test for omitted variables  
 Omitted: Powers of fitted values of D.S\_prods\_prod1992

H0: Model has no omitted variables

F(3, 16) = 0.44  
 Prob > F = 0.7260

49 . 1992-2007 w CAPITAL

**1992 is not a valid command name**  
r(199);

50 . 1992-2007 w CAPITAL

**1992 is not a valid command name**  
r(199);

51 . 1992-2007 w CAPITAL

**1992 is not a valid command name**  
r(199);

52 . 1992-2007 w CAPITAL

**1992 is not a valid command name**  
r(199);

53 . 1992-2007 w CAPITAL

**1992 is not a valid command name**  
r(199);

54 . drop in 17/29

(13 observations deleted)

55 . ivregress 2sls S\_allS\_all1992 SLT\_allSLT\_all1992 melt\_allmelt\_all1992 GFCG\_index LupLp\_prv\_empl LupLp\_mix WupWp ( w\_hrl\_allw\_hr\_all1992 = SLT\_allSLT\_all1992 melt\_allmelt\_all1992 CPI1992 GFCG\_index LupLp\_p rv\_empl LupLp\_mix LuppPubLp WupWp )

Instrumental-variables 2SLS regression

	Number of obs	=	15
Wald chi2(7)	=	22174.88	
Prob > chi2	=	0.0000	
R-squared	=	0.9993	
Root MSE	=	.08291	

S_allS_all1992	Coefficient	Std. err.	z	P> z	[95% conf. interval]
w_hrl_allw_hr_all1992	-1.578061	.1900599	-8.30	0.000	-1.950571 -1.20555
SLT_allSLT_all1992	.2743134	.1790605	1.53	0.126	-.0766388 .6252656
melt_allmelt_all1992	1.678316	.1294338	12.97	0.000	1.42463 1.932001
GFCG_index	-.0314752	.0387901	-0.81	0.417	-.1075023 .0445519
LupLp_prv_empl	.0700325	.026334	2.66	0.008	.0184187 .1216462
LupLp_mix	-.0076699	.0079341	-0.97	0.334	-.0232204 .0078807
WupWp	-.0729271	.0264441	-2.76	0.006	-.1247566 -.0210976
_cons	67.25255	20.29986	3.31	0.001	27.46556 107.0395

Endogenous: w\_hrl\_allw\_hr\_all1992

Exogenous: SLT\_allSLT\_all1992 melt\_allmelt\_all1992 GFCG\_index LupLp\_prv\_empl LupLp\_mix  
 WupWp CPI1992 LuppPubLp

56 . estat endog

Tests of endogeneity  
 H0: Variables are exogenous

Durbin (score) chi2(1) = 4.48421 (p = 0.0342)  
 Wu-Hausman F(1,6) = 2.55856 (p = 0.1608)

57 . prais S\_allS\_all1992 w\_hrl\_allw\_hr\_all1992 SLT\_allSLT\_all1992 melt\_allmelt\_all1992 GFCG\_index LupLp\_pr > v\_empl LupLp\_mix WupWp

Number of gaps in sample = 1  
note: computations for rho restarted at each gap.

Iteration 0: rho = 0.0000  
Iteration 1: rho = -0.3664  
Iteration 2: rho = -0.5369  
Iteration 3: rho = -0.5655  
Iteration 4: rho = -0.5691  
Iteration 5: rho = -0.5695  
Iteration 6: rho = -0.5696  
Iteration 7: rho = -0.5696  
Iteration 8: rho = -0.5696

Prais-Winsten AR(1) regression with iterated estimates

Source	SS	df	MS	Number of obs	=	15
Model	8345.31957	7	1192.18851	F(7, 7)	>	99999.00
Residual	.021190069	7	.003027153	Prob > F	=	0.0000
				R-squared	=	1.0000
				Adj R-squared	=	1.0000
Total	8345.34076	14	596.095768	Root MSE	=	.05502

S_allS_all1992	Coefficient	Std. err.	t	P> t	[95% conf. interval]
w_hrl_allw_hr_all1992	-1.779042	.0384946	-46.22	0.000	-1.870067 -1.688016
SLT_allSLT_all1992	.0903506	.0376223	2.40	0.047	.001388 .1793132
melt_allmelt_all1992	1.815159	.0278807	65.10	0.000	1.749232 1.881087
GFCG_index	.0094098	.0086506	1.09	0.313	-.0110457 .0298653
LupLp_prv_empl	.0511437	.010079	5.07	0.001	.0273107 .0749768
LupLp_mix	-.012832	.0045727	-2.81	0.026	-.0236448 -.0020192
WupWp	-.0523773	.0083178	-6.30	0.000	-.0720458 -.0327089
_cons	87.96883	4.518973	19.47	0.000	77.28316 98.6545
rho	-.5695658				

Durbin-Watson statistic (original) = 2.667404  
Durbin-Watson statistic (transformed) = 2.360717

58 . reg d.S\_allS\_all1992 d.w\_hrl\_allw\_hr\_all1992 d.SLT\_allSLT\_all1992 d.melt\_allmelt\_all1992 d. GFCG\_index > d.LupLp\_prv\_empl d.LupLp\_mix d.WupWp

Source	SS	df	MS	Number of obs	=	13
Model	22.113566	7	3.15908086	F(7, 5)	=	600.92
Residual	.026285284	5	.005257057	Prob > F	=	0.0000
Total	22.1398513	12	1.84498761	R-squared	=	0.9988
				Adj R-squared	=	0.9972
				Root MSE	=	.07251

D.S_allS_all1992	Coefficient	Std. err.	t	P> t	[95% conf. interval]
w_hrl_allw_hr_all1992 D1.	-1.768915	.0653896	-27.05	0.000	-1.937004 -1.600825
SLT_allSLT_all1992 D1.	.058768	.0607628	0.97	0.378	-.0974277 .2149637
melt_allmelt_all1992 D1.	1.824504	.0505244	36.11	0.000	1.694626 1.954381
GFCG_index D1.	.0115658	.0102175	1.13	0.309	-.0146991 .0378307
LupLp_prv_empl D1.	.0327816	.0098504	3.33	0.021	.0074604 .0581028
LupLp_mix D1.	-.0054337	.0053653	-1.01	0.358	-.0192257 .0083584
WupWp					

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D1.	<b>-.0264753</b>	<b>.009008</b>	<b>-2.94</b>	<b>0.032</b>	<b>-.049631</b>	<b>-.0033196</b>
_cons	<b>-.0675836</b>	<b>.0600652</b>	<b>-1.13</b>	<b>0.312</b>	<b>-.2219861</b>	<b>.086819</b>

59 . vif

Variable	VIF	1/VIF
w_hrl_a~1992		
D1.	<b>28.71</b>	<b>0.034828</b>
melt_al~1992		
D1.	<b>18.36</b>	<b>0.054469</b>
SLT_all~1992		
D1.	<b>7.97</b>	<b>0.125514</b>
LupLp_prv_~1		
D1.	<b>4.66</b>	<b>0.214535</b>
WupWp		
D1.	<b>4.60</b>	<b>0.217486</b>
GFCG_index		
D1.	<b>2.13</b>	<b>0.469096</b>
LupLp_mix		
D1.	<b>2.11</b>	<b>0.474505</b>
Mean VIF		<b>9.79</b>

60 . hettest

Breusch-Pagan/Cook-Weisberg test for heteroskedasticity  
Assumption: Normal error terms  
Variable: Fitted values of D.S\_allS\_all1992

H0: Constant variance

chi2(1) = **0.01**  
Prob > chi2 = **0.9401**

61 . hettest, rhs

Breusch-Pagan/Cook-Weisberg test for heteroskedasticity  
Assumption: Normal error terms  
Variables: All independent variables

H0: Constant variance

chi2(7) = **5.54**  
Prob > chi2 = **0.5947**

62 . ovtest

Ramsey RESET test for omitted variables  
Omitted: Powers of fitted values of D.S\_allS\_all1992

H0: Model has no omitted variables

F(3, 2) = **1.97**  
Prob > F = **0.3538**

63 . ivregress 2sls S\_prods\_prod1992 SLT\_prodSLT\_prod1992 melt\_prodmelt\_prod1992 GFCG\_index LupLp\_prv\_empl > LupLp\_mix WupWp ( w\_hrl\_prodw\_hr\_prod1992 = SLT\_prodSLT\_prod1992 melt\_prodmelt\_prod1992 CPI1992 GFCG\_in > dex LupLp\_prv\_empl LupLp\_mix WupWp )

Instrumental-variables 2SLS regression  
Number of obs = **15**  
Wald chi2(7) = **2167.23**  
Prob > chi2 = **0.0000**  
R-squared = **0.9934**  
Root MSE = **.48596**

S_prodS_prod1992	Coefficient	Std. err.	z	P> z	[95% conf. interval]
w_hrl_prodw_hr_prod1992	<b>-1.461731</b>	.4188636	<b>-3.49</b>	<b>0.000</b>	<b>-2.282689</b> <b>-.6407738</b>
SLT_prodSLT_prod1992	<b>-.8596926</b>	<b>1.198545</b>	<b>-0.72</b>	<b>0.473</b>	<b>-3.208799</b> <b>1.489413</b>
melt_prod melt_prod1992	<b>1.185849</b>	.1238393	<b>9.58</b>	<b>0.000</b>	<b>.943128</b> <b>1.428569</b>
GFCG_index	<b>.1855156</b>	.2987302	<b>0.62</b>	<b>0.535</b>	<b>-.3999848</b> <b>.7710161</b>
LupLp_prv_empl	<b>.1513749</b>	<b>.141784</b>	<b>1.07</b>	<b>0.286</b>	<b>-.1265167</b> <b>.4292664</b>
LupLp_mix	<b>.045684</b>	<b>.0433001</b>	<b>1.06</b>	<b>0.291</b>	<b>-.0391826</b> <b>.1305507</b>
WupWp	<b>.1053501</b>	<b>.1675229</b>	<b>0.63</b>	<b>0.529</b>	<b>-.2229888</b> <b>.433689</b>
_cons	<b>165.3506</b>	<b>113.0374</b>	<b>1.46</b>	<b>0.144</b>	<b>-56.19868</b> <b>386.8999</b>

Endogenous: w\_hrl\_prodw\_hr\_prod1992

Exogenous: SLT\_prodSLT\_prod1992 melt\_prod melt\_prod1992 GFCG\_index LupLp\_prv\_empl LupLp\_mix  
WupWp CPI1992

64 . estat endog

Tests of endogeneity

H0: Variables are exogenous

Durbin (score) chi2(1) = **.974508** (p = **0.3236**)  
Wu-Hausman F(1,6) = **.416887** (p = **0.5424**)65 . prais S\_prodS\_prod1992 w\_hrl\_prodw\_hr\_prod1992 SLT\_prodSLT\_prod1992 melt\_prod melt\_prod1992 GFCG\_index  
> LupLp\_prv\_empl LupLp\_mix WupWp

Number of gaps in sample = 1

note: computations for rho restarted at each gap.

Iteration 0: rho = **0.0000**  
 Iteration 1: rho = **-0.2411**  
 Iteration 2: rho = **-0.3933**  
 Iteration 3: rho = **-0.4548**  
 Iteration 4: rho = **-0.4754**  
 Iteration 5: rho = **-0.4818**  
 Iteration 6: rho = **-0.4839**  
 Iteration 7: rho = **-0.4845**  
 Iteration 8: rho = **-0.4847**  
 Iteration 9: rho = **-0.4847**  
 Iteration 10: rho = **-0.4847**  
 Iteration 11: rho = **-0.4848**  
 Iteration 12: rho = **-0.4848**  
 Iteration 13: rho = **-0.4848**

Prais-Winsten AR(1) regression with iterated estimates

Source	SS	df	MS	Number of obs	=	15
Model	<b>10044.5472</b>	<b>7</b>	<b>1434.93531</b>	F(7, 7)	=	<b>5820.92</b>
Residual	<b>1.72559384</b>	<b>7</b>	<b>.246513406</b>	Prob > F	=	<b>0.0000</b>
Total	<b>10046.2728</b>	<b>14</b>	<b>717.590912</b>	R-squared	=	<b>0.9998</b>
				Adj R-squared	=	<b>0.9997</b>
				Root MSE	=	<b>.4965</b>

S_prodS_prod1992	Coefficient	Std. err.	t	P> t	[95% conf. interval]
w_hrl_prodw_hr_prod1992	<b>-1.173539</b>	.1119382	<b>-10.48</b>	<b>0.000</b>	<b>-1.438231</b> <b>-.9088472</b>
SLT_prodSLT_prod1992	<b>.0051733</b>	<b>.4045848</b>	<b>0.01</b>	<b>0.990</b>	<b>-.9515177</b> <b>.9618644</b>
melt_prod melt_prod1992	<b>1.287353</b>	<b>.0840992</b>	<b>15.31</b>	<b>0.000</b>	<b>1.08849</b> <b>1.486216</b>
GFCG_index	<b>-.0423417</b>	<b>.0924988</b>	<b>-0.46</b>	<b>0.661</b>	<b>-.2610665</b> <b>.1763831</b>
LupLp_prv_empl	<b>.1076727</b>	<b>.1043524</b>	<b>1.03</b>	<b>0.336</b>	<b>-.1390815</b> <b>.354427</b>
LupLp_mix	<b>.0251032</b>	<b>.0352862</b>	<b>0.71</b>	<b>0.500</b>	<b>-.0583355</b> <b>.1085419</b>
WupWp	<b>-.0433417</b>	<b>.0767589</b>	<b>-0.56</b>	<b>0.590</b>	<b>-.2248478</b> <b>.1381644</b>
_cons	<b>84.72872</b>	<b>35.6525</b>	<b>2.38</b>	<b>0.049</b>	<b>.423957</b> <b>169.0335</b>
rho	<b>-.4847544</b>				

Durbin-Watson statistic (original) = **2.292349**Durbin-Watson statistic (transformed) = **2.245541**

66 . reg d.S\_prodS\_prod1992 d.w\_hrl\_prodw\_hr\_prod1992 d.SLT\_prodSLT\_prod1992 d.melt\_prodmelt\_prod1992 d.GFC  
> G\_index d.LupLp\_prv\_empl d.LupLp\_mix d.WupWp

Source	SS	df	MS	Number of obs	=	13
Model	<b>484.128096</b>	<b>7</b>	<b>69.1611566</b>	F(7, 5)	=	<b>405.04</b>
Residual	<b>.853759324</b>	<b>5</b>	<b>.170751865</b>	Prob > F	=	<b>0.0000</b>
Total	<b>484.981855</b>	<b>12</b>	<b>40.4151546</b>	R-squared	=	<b>0.9982</b>
				Adj R-squared	=	<b>0.9958</b>
				Root MSE	=	<b>.41322</b>

D.S_prodS_prod1992	Coefficient	Std. err.	t	P> t	[95% conf. interval]	
w_hrl_prodw_hr_prod1992 D1.	<b>-.5462698</b>	<b>.1523215</b>	<b>-3.59</b>	<b>0.016</b>	<b>-.9378247</b>	<b>-.1547149</b>
SLT_prodSLT_prod1992 D1.	<b>1.42033</b>	<b>.4091636</b>	<b>3.47</b>	<b>0.018</b>	<b>.368542</b>	<b>2.472119</b>
melt_prodmelt_prod1992 D1.	<b>1.401589</b>	<b>.1090517</b>	<b>12.85</b>	<b>0.000</b>	<b>1.121262</b>	<b>1.681915</b>
GFCG_index D1.	<b>-.1645544</b>	<b>.0699019</b>	<b>-2.35</b>	<b>0.065</b>	<b>-.3442429</b>	<b>.015134</b>
LupLp_prv_empl D1.	<b>-.2556862</b>	<b>.1112818</b>	<b>-2.30</b>	<b>0.070</b>	<b>-.5417451</b>	<b>.0303727</b>
LupLp_mix D1.	<b>-.0354821</b>	<b>.0383229</b>	<b>-0.93</b>	<b>0.397</b>	<b>-.1339943</b>	<b>.0630301</b>
WupWp D1.	<b>.125278</b>	<b>.0592204</b>	<b>2.12</b>	<b>0.088</b>	<b>-.0269529</b>	<b>.277509</b>
_cons	<b>-1.194465</b>	<b>.3920379</b>	<b>-3.05</b>	<b>0.029</b>	<b>-2.20223</b>	<b>-.1866995</b>

67 . vif

Variable	VIF	1/VIF
SLT_pro~1992 D1.	<b>54.68</b>	<b>0.018289</b>
w_hrl_p~1992 D1.	<b>28.35</b>	<b>0.035276</b>
LupLp_prv_~l D1.	<b>18.32</b>	<b>0.054598</b>
WupWp D1.	<b>6.12</b>	<b>0.163442</b>
LupLp_mix D1.	<b>3.31</b>	<b>0.302093</b>
GFCG_index D1.	<b>3.07</b>	<b>0.325533</b>
melt_pr~1992 D1.	<b>2.86</b>	<b>0.350142</b>
Mean VIF		<b>16.67</b>

68 . hettest

Breusch-Pagan/Cook-Weisberg test for heteroskedasticity  
Assumption: Normal error terms  
Variable: Fitted values of D.S\_prodS\_prod1992

H0: Constant variance

chi2(1) = **0.31**  
Prob > chi2 = **0.5749**

69 . hettest, rhs

Breusch-Pagan/Cook-Weisberg test for heteroskedasticity  
 Assumption: Normal error terms  
 Variables: All independent variables

H0: Constant variance

chi2(7) = 8.37  
 Prob > chi2 = 0.3010

70 . ovtest

Ramsey RESET test for omitted variables  
 Omitted: Powers of fitted values of D.S\_prods\_prod1992

H0: Model has no omitted variables

F(3, 2) = 5.29  
 Prob > F = 0.1630

71 . NO CAPITAL

command NO is unrecognized  
r(199);

72 . NO CAPITAL

command NO is unrecognized  
r(199);

73 . NO CAPITAL

command NO is unrecognized  
r(199);

74 . NO CAPITAL

command NO is unrecognized  
r(199);

75 . NO CAPITAL

command NO is unrecognized  
r(199);

76 . ivregress 2sls S\_allS\_all1992 SLT\_allSLT\_all1992 melt\_allmelt\_all1992 LupLp\_prv\_empl LupLp\_mix WupWp (  
 > w\_hrl\_allw\_hr\_all11992 = SLT\_allSLT\_all1992 melt\_allmelt\_all1992 CPI1992 GFCG\_index LupLp\_prv\_empl Lup  
 > Lp\_mix LuppPubLp WupWp)

Instrumental-variables 2SLS regression Number of obs = 15  
 Wald chi2(6) = 69510.10  
 Prob > chi2 = 0.0000  
 R-squared = 0.9998  
 Root MSE = .04683

S_allS_all1992	Coefficient	Std. err.	z	P> z	[95% conf. interval]
w_hrl_allw_hr_all11992	-1.729902	.0187785	-92.12	0.000	-1.766707 -1.693097
SLT_allSLT_all1992	.1319004	.0200403	6.58	0.000	.0926221 .1711786
melt_allmelt_all1992	1.779797	.0188319	94.51	0.000	1.742887 1.816707
LupLp_prv_empl	.0511877	.0070116	7.30	0.000	.0374452 .0649303
LupLp_mix	-.0115632	.0035689	-3.24	0.001	-.0185582 -.0045682
WupWp	-.0529575	.0054647	-9.69	0.000	-.0636682 -.0422468
_cons	83.34792	2.437136	34.20	0.000	78.57123 88.12462

Endogenous: w\_hrl\_allw\_hr\_all11992

Exogenous: SLT\_allSLT\_all1992 melt\_allmelt\_all1992 LupLp\_prv\_empl LupLp\_mix WupWp CPI1992  
 GFCG\_index LuppPubLp

77 . estat endog

Tests of endogeneity  
H0: Variables are exogenous

Durbin (score) chi2(1) = 3.21351 (p = 0.0730)  
Wu-Hausman F(1,7) = 1.90851 (p = 0.2096)

78 . prais S\_allS\_all1992 w\_hrl\_allw\_hr\_all11992 SLT\_allSLT\_all11992 melt\_allmelt\_all11992 LupLp\_prv\_empl LupL &gt; p\_mix WupWp

Number of gaps in sample = 1

note: computations for rho restarted at each gap.

Iteration 0: rho = 0.0000  
Iteration 1: rho = -0.3221  
Iteration 2: rho = -0.4865  
Iteration 3: rho = -0.5202  
Iteration 4: rho = -0.5250  
Iteration 5: rho = -0.5257  
Iteration 6: rho = -0.5258  
Iteration 7: rho = -0.5258  
Iteration 8: rho = -0.5258  
Iteration 9: rho = -0.5258

Prais-Winsten AR(1) regression with iterated estimates

Source	SS	df	MS	Number of obs	=	15
Model	6736.73293	6	1122.78882	F(6, 8)	>	99999.00
Residual	.024715588	8	.003089448	Prob > F	=	0.0000
Total	6736.75765	14	481.196975	R-squared	=	1.0000
				Adj R-squared	=	1.0000
				Root MSE	=	.05558

S_allS_all1992	Coefficient	Std. err.	t	P> t	[95% conf. interval]
w_hrl_allw_hr_all11992	-1.743417	.0196399	-88.77	0.000	-1.788707 -1.698127
SLT_allSLT_all11992	.1233149	.0219676	5.61	0.001	.0726575 .1739723
melt_allmelt_all11992	1.793921	.0195307	91.85	0.000	1.748883 1.838959
LupLp_prv_empl	.058007	.0078225	7.42	0.000	.0399683 .0760458
LupLp_mix	-.0111904	.0043702	-2.56	0.034	-.0212681 -.0011126
WupWp	-.0585777	.0058911	-9.94	0.000	-.0721627 -.0449928
_cons	84.03523	2.7088	31.02	0.000	77.78873 90.28174
rho	-.5257683				

Durbin-Watson statistic (original) = 2.572442

Durbin-Watson statistic (transformed) = 2.236199

79 . reg d.S\_allS\_all1992 d.w\_hrl\_allw\_hr\_all11992 d.SLT\_allSLT\_all11992 d.melt\_allmelt\_all11992 d.LupLp\_prv\_e &gt; mpl d.LupLp\_mix d.WupWp

Source	SS	df	MS	Number of obs	=	13
Model	22.1068299	6	3.68447165	F(6, 6)	=	669.47
Residual	.033021363	6	.00550356	Prob > F	=	0.0000
Total	22.1398513	12	1.84498761	R-squared	=	0.9985
				Adj R-squared	=	0.9970
				Root MSE	=	.07419

D.S_allS_all1992	Coefficient	Std. err.	t	P> t	[95% conf. interval]
w_hrl_allw_hr_all11992 D1.	-1.743856	.0629545	-27.70	0.000	-1.897901 -1.589812
SLT_allSLT_all11992 D1.	.0962451	.0521315	1.85	0.114	-.0313162 .2238064
melt_allmelt_all11992 D1.	1.810507	.0501234	36.12	0.000	1.687859 1.933155
LupLp_prv_empl D1.	.0383009	.0087573	4.37	0.005	.0168725 .0597293

LupLp_mix						
D1.	<b>- .0046868</b>	<b>.005448</b>	<b>-0.86</b>	<b>0.423</b>	<b>- .0180176</b>	<b>.008644</b>
WupWp						
D1.	<b>- .0315028</b>	<b>.0080185</b>	<b>-3.93</b>	<b>0.008</b>	<b>- .0511235</b>	<b>- .0118822</b>
_cons	<b>- .0475971</b>	<b>.0587421</b>	<b>-0.81</b>	<b>0.449</b>	<b>- .1913337</b>	<b>.0961396</b>

80 . vif

Variable	VIF	1/VIF
w_hrl_a~1992		
D1.	<b>25.42</b>	<b>0.039336</b>
melt_al~1992		
D1.	<b>17.26</b>	<b>0.057939</b>
SLT_all~1992		
D1.	<b>5.60</b>	<b>0.178512</b>
LupLp_prv_~1		
D1.	<b>3.52</b>	<b>0.284159</b>
WupWp		
D1.	<b>3.48</b>	<b>0.287340</b>
LupLp_mix		
D1.	<b>2.08</b>	<b>0.481791</b>
Mean VIF		<b>9.56</b>

81 . hettest

Breusch-Pagan/Cook-Weisberg test for heteroskedasticity  
Assumption: Normal error terms  
Variable: Fitted values of D.S\_allS\_all1992

H0: Constant variance

chi2(1) = **0.46**  
Prob > chi2 = **0.4962**

82 . hettest, rhs

Breusch-Pagan/Cook-Weisberg test for heteroskedasticity  
Assumption: Normal error terms  
Variables: All independent variables

H0: Constant variance

chi2(6) = **9.02**  
Prob > chi2 = **0.1725**

83 . ovtest

Ramsey RESET test for omitted variables  
Omitted: Powers of fitted values of D.S\_allS\_all1992

H0: Model has no omitted variables

F(3, 3) = **1.20**  
Prob > F = **0.4409**

84 . ivregress 2sls S\_prodS\_prod1992 SLT\_prodSLT\_prod1992 melt\_prodmelt\_prod1992 LupLp\_prv\_empl LupLp\_mix Wu > pWp ( w\_hrl\_prodw\_hr\_prod1992 = SLT\_prodSLT\_prod1992 melt\_prodmelt\_prod1992 CPI1992 GFCG\_index LupLp\_pr > v\_empl LupLp\_mix WupWp)

Instrumental-variables 2SLS regression	Number of obs	=	15
	Wald chi2(6)	=	3811.85
	Prob > chi2	=	0.0000
	R-squared	=	0.9962
	Root MSE	=	.3664

S_prodS_prod1992	Coefficient	Std. err.	z	P> z	[95% conf. interval]
w_hrl_prodw_hr_prod1992	-1.204693	.048465	-24.86	0.000	-1.299682 -1.109703
SLT_prodSLT_prod1992	-.1274549	.1621158	-0.79	0.432	-.4451961 .1902863
melt_prodmelt_prod1992	1.251112	.0493938	25.33	0.000	1.154302 1.347922
LupLp_prv_empl	.0930282	.0800593	1.16	0.245	-.0638851 .2499415
LupLp_mix	.0282314	.0248359	1.14	0.256	-.0204461 .0769089
WupWp	.007614	.0432787	0.18	0.860	-.0772108 .0924388
_cons	96.16855	14.44571	6.66	0.000	67.85547 124.4816

Endogenous: w\_hrl\_prodw\_hr\_prod1992

Exogenous: SLT\_prodSLT\_prod1992 melt\_prodmelt\_prod1992 LupLp\_prv\_empl LupLp\_mix WupWp  
CPI1992 GFCG\_index

85 . estat endog

Tests of endogeneity

H0: Variables are exogenous

Durbin (score) chi2(1) = .40021 (p = 0.5270)  
Wu-Hausman F(1,7) = .191884 (p = 0.6746)

86 . prais S\_prodS\_prod1992 w\_hrl\_prodw\_hr\_prod1992 SLT\_prodSLT\_prod1992 melt\_prodmelt\_prod1992 LupLp\_prv\_empl LupLp\_mix WupWp

Number of gaps in sample = 1

note: computations for rho restarted at each gap.

Iteration 0: rho = 0.0000  
 Iteration 1: rho = -0.2333  
 Iteration 2: rho = -0.3648  
 Iteration 3: rho = -0.4079  
 Iteration 4: rho = -0.4189  
 Iteration 5: rho = -0.4214  
 Iteration 6: rho = -0.4220  
 Iteration 7: rho = -0.4221  
 Iteration 8: rho = -0.4222  
 Iteration 9: rho = -0.4222  
 Iteration 10: rho = -0.4222  
 Iteration 11: rho = -0.4222

Prais-Winsten AR(1) regression with iterated estimates

Source	SS	df	MS	Number of obs	=	15
Model	7603.54259	6	1267.2571	F(6, 8)	=	5700.33
Residual	1.77850345	8	.222312931	Prob > F	=	0.0000
Total	7605.32109	14	543.237221	R-squared	=	0.9998
				Adj R-squared	=	0.9996
				Root MSE	=	.4715

S_prodS_prod1992	Coefficient	Std. err.	t	P> t	[95% conf. interval]
w_hrl_prodw_hr_prod1992	-1.216526	.0518578	-23.46	0.000	-1.33611 -1.096942
SLT_prodSLT_prod1992	-.1515977	.2019967	-0.75	0.474	-.6174029 .3142074
melt_prodmelt_prod1992	1.257667	.0547982	22.95	0.000	1.131302 1.384032
LupLp_prv_empl	.1246067	.0927672	1.34	0.216	-.0893149 .3385282
LupLp_mix	.0297175	.0320267	0.93	0.381	-.0441363 .1035713
WupWp	-.015384	.0510593	-0.30	0.771	-.1331268 .1023589
_cons	98.40907	18.04808	5.45	0.001	56.79012 140.028
rho	-.4221784				

Durbin-Watson statistic (original) = 2.305751

Durbin-Watson statistic (transformed) = 2.199376

87 . reg d.S\_prodS\_prod1992 d.w\_hrl\_prodw\_hr\_prod1992 d.SLT\_prodSLT\_prod1992 d.melt\_prodmelt\_prod1992 d.LupLp> p\_prv\_empl d.LupLp\_mix d.WupWp

Source	SS	df	MS	Number of obs	=	13
Model	<b>483.181843</b>	<b>6</b>	<b>80.5303072</b>	F(6, 6)	=	<b>268.43</b>
Residual	<b>1.80001207</b>	<b>6</b>	<b>.300002012</b>	Prob > F	=	<b>0.0000</b>
Total	<b>484.981855</b>	<b>12</b>	<b>40.4151546</b>	R-squared	=	<b>0.9963</b>
				Adj R-squared	=	<b>0.9926</b>
				Root MSE	=	<b>.54772</b>

D.S_prodS_prod1992	Coefficient	Std. err.	t	P> t	[95% conf. interval]
w_hrl_prodw_hr_prod1992 D1.	<b>-.8067168</b>	<b>.1387754</b>	<b>-5.81</b>	<b>0.001</b>	<b>-1.146288</b> <b>-.4671456</b>
SLT_prodSLT_prod1992 D1.	<b>.8583135</b>	<b>.4404511</b>	<b>1.95</b>	<b>0.099</b>	<b>-.2194314</b> <b>1.936058</b>
melt_prodmelt_prod1992 D1.	<b>1.27012</b>	<b>.1241546</b>	<b>10.23</b>	<b>0.000</b>	<b>.9663248</b> <b>1.573915</b>
LupLp_prv_empl D1.	<b>-.1755818</b>	<b>.1404387</b>	<b>-1.25</b>	<b>0.258</b>	<b>-.5192228</b> <b>.1680592</b>
LupLp_mix D1.	<b>-.0212387</b>	<b>.0501599</b>	<b>-0.42</b>	<b>0.687</b>	<b>-.1439756</b> <b>.1014981</b>
WupWp D1.	<b>.1197132</b>	<b>.0784341</b>	<b>1.53</b>	<b>0.178</b>	<b>-.072208</b> <b>.3116344</b>
_cons	<b>-.882958</b>	<b>.4891493</b>	<b>-1.81</b>	<b>0.121</b>	<b>-2.079863</b> <b>.3139472</b>

88 . vif

Variable	VIF	1/VIF
SLT_pro~1992 D1.	<b>36.06</b>	<b>0.027730</b>
LupLp_prv_~1 D1.	<b>16.60</b>	<b>0.060230</b>
w_hrl_p~1992 D1.	<b>13.39</b>	<b>0.074668</b>
WupWp D1.	<b>6.11</b>	<b>0.163703</b>
LupLp_mix D1.	<b>3.23</b>	<b>0.309815</b>
melt_pr~1992 D1.	<b>2.11</b>	<b>0.474617</b>
Mean VIF		<b>12.92</b>

89 . hettest

Breusch-Pagan/Cook-Weisberg test for heteroskedasticity  
Assumption: Normal error terms  
Variable: Fitted values of D.S\_prodS\_prod1992

H0: Constant variance

chi2(1) = **0.01**  
Prob > chi2 = **0.9331**

90 . hettest, rhs

Breusch-Pagan/Cook-Weisberg test for heteroskedasticity  
 Assumption: Normal error terms  
 Variables: All independent variables

H0: Constant variance

chi2(6) = 3.84  
 Prob > chi2 = 0.6977

91 . ovtest

Ramsey RESET test for omitted variables  
 Omitted: Powers of fitted values of D.S\_prods\_prod1992

H0: Model has no omitted variables

F(3, 3) = 4.34  
 Prob > F = 0.1296

92 . clear

93 . import excel "C:\Users\40018815\OneDrive - Edinburgh Napier University\Surplus Value paper\SER\EXCEL\FU > LL MATRIX.xlsx", sheet("Sheet1") firstrow  
 (197 vars, 29 obs)

94 . 2008-2020 w CAPITAL

**2008 is not a valid command name**  
r(199);

95 . 2008-2020 w CAPITAL

**2008 is not a valid command name**  
r(199);

96 . 2008-2020 w CAPITAL

**2008 is not a valid command name**  
r(199);

97 . 2008-2020 w CAPITAL

**2008 is not a valid command name**  
r(199);

98 . 2008-2020 w CAPITAL

**2008 is not a valid command name**  
r(199);

99 . 2008-2020 w CAPITAL

**2008 is not a valid command name**  
r(199);

100 . drop in 1/16

(16 observations deleted)

101 . ivregress 2sls S\_allS\_all1992 SLT\_allSLT\_all1992 melt\_allmelt\_all1992 GFCG\_index LupLp\_prv\_empl LupLp\_> mix WupWp ( w\_hrl\_allw\_hr\_all1992 = SLT\_allSLT\_all1992 melt\_allmelt\_all1992 CPI1992 GFCG\_index LupLp\_p> rv\_empl LupLp\_mix LuppubLp WupWp)

Instrumental-variables 2SLS regression

Number of obs	=	13
Wald chi2(7)	=	11655.05
Prob > chi2	=	0.0000
R-squared	=	0.9989
Root MSE	=	.14045

S_allS_all1992	Coefficient	Std. err.	z	P> z	[95% conf. interval]
w_hrl_allw_hr_all11992	-1.361321	.0851645	-15.98	0.000	-1.528241 -1.194402
SLT_allSLT_all1992	.1867864	.1183163	1.58	0.114	-.0451093 .418682
melt_allmelt_all1992	1.345842	.0900335	14.95	0.000	1.16938 1.522305
GFCG_index	.0159594	.0113103	1.41	0.158	-.0062084 .0381271
LupLp_prv_empl	.0127629	.0112334	1.14	0.256	-.0092542 .03478
LupLp_mix	-.0949516	.0426634	-2.23	0.026	-.1785704 -.0113328
WupWp	-.0115073	.0151258	-0.76	0.447	-.0411534 .0181387
_cons	87.83093	9.314702	9.43	0.000	69.57445 106.0874

Endogenous: w\_hrl\_allw\_hr\_all11992

Exogenous: SLT\_allSLT\_all1992 melt\_allmelt\_all1992 GFCG\_index LupLp\_prv\_empl LupLp\_mix  
WupWp CPI1992 LuppLp

102 . estat endog

Tests of endogeneity

H0: Variables are exogenous

Durbin (score) chi2(1) = 2.29838 (p = 0.1295)  
Wu-Hausman F(1,4) = .859076 (p = 0.4065)103 . prais S\_allS\_all1992 w\_hrl\_allw\_hr\_all11992 SLT\_allSLT\_all1992 melt\_allmelt\_all1992 GFCG\_index LupLp\_pr  
> v\_empl LupLp\_mix WupWp  
time variable not set, use tsset varname ...  
r(111);104 . reg d.S\_allS\_all1992 d.w\_hrl\_allw\_hr\_all11992 d.SLT\_allSLT\_all1992 d.melt\_allmelt\_all1992 d. GFCG\_index  
> d.LupLp\_prv\_empl d.LupLp\_mix d.WupWp  
time variable not set  
r(111);

105 . tset YEAR

Time variable: YEAR, 2008 to 2020  
Delta: 1 unit106 . prais S\_allS\_all1992 w\_hrl\_allw\_hr\_all11992 SLT\_allSLT\_all1992 melt\_allmelt\_all1992 GFCG\_index LupLp\_pr  
> v\_empl LupLp\_mix WupWp

Iteration 0: rho = 0.0000  
 Iteration 1: rho = 0.1007  
 Iteration 2: rho = 0.2853  
 Iteration 3: rho = 0.5461  
 Iteration 4: rho = 0.7545  
 Iteration 5: rho = 0.8412  
 Iteration 6: rho = 0.8701  
 Iteration 7: rho = 0.8797  
 Iteration 8: rho = 0.8829  
 Iteration 9: rho = 0.8840  
 Iteration 10: rho = 0.8844  
 Iteration 11: rho = 0.8845  
 Iteration 12: rho = 0.8846  
 Iteration 13: rho = 0.8846  
 Iteration 14: rho = 0.8846  
 Iteration 15: rho = 0.8846  
 Iteration 16: rho = 0.8846

Prais-Winsten AR(1) regression with iterated estimates

Source	SS	df	MS	Number of obs	=	13
Model	1158.3207	7	165.474386	F(7, 5)	=	6104.94
Residual	.135524908	5	.027104982	Prob > F	=	0.0000
Total	1158.45623	12	96.538019	R-squared	=	0.9999
				Adj R-squared	=	0.9997
				Root MSE	=	.16464

S_allS_all1992	Coefficient	Std. err.	t	P> t	[95% conf. interval]
w_hrl_allw_hr_all11992	-1.506509	.0692204	-21.76	0.000	-1.684445 -1.328572
SLT_allSLT_all1992	.0653882	.0907414	0.72	0.503	-.1678701 .2986465
melt_allmelt_all1992	1.484912	.0754006	19.69	0.000	1.291088 1.678735
GFCG_index	.0154847	.0109186	1.42	0.215	-.0125824 .0435519
LupLp_prv_empl	.0065244	.0088212	0.74	0.493	-.0161513 .0292001
LupLp_mix	-.0584575	.031945	-1.83	0.127	-.1405748 .0236599
WupWp	-.0157704	.0159694	-0.99	0.369	-.056821 .0252801
_cons	99.39876	7.026248	14.15	0.000	81.33722 117.4603
rho	.8845769				

Durbin-Watson statistic (original) = 1.773847  
 Durbin-Watson statistic (transformed) = 0.768490

107 . reg d.S\_allS\_all1992 d.w\_hrl\_allw\_hr\_all11992 d.SLT\_allSLT\_all1992 d.melt\_allmelt\_all1992 d. GFCG\_index  
 > d.LupLp\_prv\_empl d.LupLp\_mix d.WupWp

Source	SS	df	MS	Number of obs	=	12
Model	163.464415	7	23.3520593	F(7, 4)	=	719.58
Residual	.129809462	4	.032452366	Prob > F	=	0.0000
Total	163.594225	11	14.8722022	R-squared	=	0.9992
				Adj R-squared	=	0.9978
				Root MSE	=	.18015

D.S_allS_all1992	Coefficient	Std. err.	t	P> t	[95% conf. interval]
w_hrl_allw_hr_all11992					
D1.	-1.474364	.0918652	-16.05	0.000	-1.729422 -1.219305
SLT_allSLT_all1992					
D1.	.1168542	.1280577	0.91	0.413	-.2386911 .4723995
melt_allmelt_all1992					
D1.	1.455626	.0957756	15.20	0.000	1.189711 1.721542
GFCG_index					
D1.	.0133447	.011748	1.14	0.319	-.0192729 .0459623
LupLp_prv_empl					
D1.	.0076074	.0092921	0.82	0.459	-.0181917 .0334065
LupLp_mix					
D1.	-.0496679	.0352735	-1.41	0.232	-.1476028 .0482671
WupWp					
D1.	-.020037	.0182793	-1.10	0.335	-.0707885 .0307144
_cons	.0534504	.0894584	0.60	0.582	-.1949258 .3018266

108 . vif

Variable	VIF	1/VIF
melt_al~1992		
D1.	64.22	0.015572
w_hrl_a~1992		
D1.	39.50	0.025316
SLT_all~1992		
D1.	20.44	0.048915
GFCG_index		
D1.	4.05	0.246863
WupWp		
D1.	2.68	0.373463
LupLp_mix		
D1.	2.28	0.439260
LupLp_prv_~l		
D1.	2.18	0.458202
Mean VIF	19.34	

109 . hettest

Breusch-Pagan/Cook-Weisberg test for heteroskedasticity  
 Assumption: Normal error terms  
 Variable: Fitted values of D.S\_allS\_all1992

H0: Constant variance

chi2(1) = 0.17  
 Prob > chi2 = 0.6818

110 . hettest, rhs

Breusch-Pagan/Cook-Weisberg test for heteroskedasticity  
 Assumption: Normal error terms  
 Variables: All independent variables

H0: Constant variance

chi2(7) = 5.21  
 Prob > chi2 = 0.6349

111 . ovtest

Ramsey RESET test for omitted variables  
 Omitted: Powers of fitted values of D.S\_allS\_all1992

H0: Model has no omitted variables

F(3, 1) = 66.26  
 Prob > F = 0.0900

112 . ivregress 2sls S\_prodS\_prod1992 SLT\_prodSLT\_prod1992 melt\_prodmelt\_prod1992 GFCG\_index LupLp\_prv\_emplo  
 > LupLp\_mix WupWp ( w\_hrl\_prodw\_hr\_prod1992 = SLT\_prodSLT\_prod1992 melt\_prodmelt\_prod1992 CPI1992 GFCG\_in  
 > dex LupLp\_prv\_emploi LupLp\_mix WupWp)

Instrumental-variables 2SLS regression

	Number of obs	=	13
Wald chi2(7)	=	460.71	
Prob > chi2	=	0.0000	
R-squared	=	0.9723	
Root MSE	=	1.0675	

S_prodS_prod1992	Coefficient	Std. err.	z	P> z	[95% conf. interval]
w_hrl_prodw_hr_prod1992	-1.033839	.2055966	-5.03	0.000	-1.4368 -.6308766
SLT_prodSLT_prod1992	.6356562	.4896667	1.30	0.194	-.3240729 1.595385
melt_prodmelt_prod1992	.5958488	.177761	3.35	0.001	.2474437 .944254
GFCG_index	.1017613	.0415227	2.45	0.014	.0203784 .1831442
LupLp_prv_emploi	.3505585	.1248359	2.81	0.005	.1058846 .5952323
LupLp_mix	-.3364284	.182554	-1.84	0.065	-.6942276 .0213708
WupWp	-.121737	.158908	-0.77	0.444	-.4331909 .1897168
_cons	83.8367	51.45278	1.63	0.103	-17.0089 184.6823

Endogenous: w\_hrl\_prodw\_hr\_prod1992

Exogenous: SLT\_prodSLT\_prod1992 melt\_prodmelt\_prod1992 GFCG\_index LupLp\_prv\_emploi LupLp\_mix  
 WupWp CPI1992

113 . estat endog

Tests of exogeneity  
 H0: Variables are exogenous

Durbin (score) chi2(1) = 3.80673 (p = 0.0510)  
 Wu-Hausman F(1,4) = 1.65631 (p = 0.2675)

114 . prais S\_prodS\_prod1992 w\_hrl\_prodw\_hr\_prod1992 SLT\_prodSLT\_prod1992 melt\_prodmelt\_prod1992 GFCG\_index > LupLp\_prv\_empl LupLp\_mix WupWp

Iteration 0: rho = **0.0000**  
 Iteration 1: rho = **0.2799**  
 Iteration 2: rho = **0.4989**  
 Iteration 3: rho = **0.5685**  
 Iteration 4: rho = **0.5891**  
 Iteration 5: rho = **0.5958**  
 Iteration 6: rho = **0.5981**  
 Iteration 7: rho = **0.5989**  
 Iteration 8: rho = **0.5992**  
 Iteration 9: rho = **0.5993**  
 Iteration 10: rho = **0.5994**  
 Iteration 11: rho = **0.5994**  
 Iteration 12: rho = **0.5994**  
 Iteration 13: rho = **0.5994**  
 Iteration 14: rho = **0.5994**

Prais-Winsten AR(1) regression with iterated estimates

Source	SS	df	MS	Number of obs	=	13
Model	<b>2418.18331</b>	<b>7</b>	<b>345.454759</b>	F(7, 5)	=	<b>161.31</b>
Residual	<b>10.7075587</b>	<b>5</b>	<b>2.14151175</b>	Prob > F	=	<b>0.0000</b>
Total	<b>2428.89087</b>	<b>12</b>	<b>202.407573</b>	R-squared	=	<b>0.9956</b>

S_prodS_prod1992	Coefficient	Std. err.	t	P> t	[95% conf. interval]
w_hrl_prodw_hr_prod1992	<b>-1.010472</b>	.2063926	<b>-4.90</b>	<b>0.004</b>	<b>-1.541021</b> <b>-.4799228</b>
SLT_prodSLT_prod1992	<b>.7937352</b>	.5879886	<b>1.35</b>	<b>0.235</b>	<b>-.7177376</b> <b>2.305208</b>
melt_prodmelt_prod1992	<b>.5792822</b>	.2262962	<b>2.56</b>	<b>0.051</b>	<b>-.0024306</b> <b>1.160995</b>
GFCG_index	<b>.0903717</b>	.0679114	<b>1.33</b>	<b>0.241</b>	<b>-.0842</b> <b>.2649435</b>
LupLp_prv_empl	<b>.3051484</b>	.1439194	<b>2.12</b>	<b>0.087</b>	<b>-.0648083</b> <b>.6751051</b>
LupLp_mix	<b>-.3859011</b>	.2286508	<b>-1.69</b>	<b>0.152</b>	<b>-.9736668</b> <b>.2018647</b>
WupWp	<b>-.1136311</b>	.1772745	<b>-0.64</b>	<b>0.550</b>	<b>-.5693297</b> <b>.3420674</b>
_cons	<b>76.33</b>	<b>56.65577</b>	<b>1.35</b>	<b>0.236</b>	<b>-69.3083</b> <b>221.9683</b>
rho	<b>.5993805</b>				

Durbin-Watson statistic (original) = **1.387820**

Durbin-Watson statistic (transformed) = **1.816133**

115 . reg d.S\_prodS\_prod1992 d.w\_hrl\_prodw\_hr\_prod1992 d.SLT\_prodSLT\_prod1992 d.melt\_prodmelt\_prod1992 d.GFC\_index d.LupLp\_prv\_empl d.LupLp\_mix d.WupWp

Source	SS	df	MS	Number of obs	=	12
Model	<b>546.231771</b>	<b>7</b>	<b>78.0331102</b>	F(7, 4)	=	<b>43.31</b>
Residual	<b>7.20700835</b>	<b>4</b>	<b>1.80175209</b>	Prob > F	=	<b>0.0013</b>
Total	<b>553.43878</b>	<b>11</b>	<b>50.3126163</b>	R-squared	=	<b>0.9870</b>

D.S_prodS_prod1992	Coefficient	Std. err.	t	P> t	[95% conf. interval]
w_hrl_prodw_hr_prod1992 D1.	<b>-.6273833</b>	.2837537	<b>-2.21</b>	<b>0.092</b>	<b>-1.41521</b> <b>.1604434</b>
SLT_prodSLT_prod1992 D1.	<b>1.474676</b>	.6211574	<b>2.37</b>	<b>0.076</b>	<b>-.2499331</b> <b>3.199286</b>
melt_prodmelt_prod1992 D1.	<b>.7147126</b>	.1950874	<b>3.66</b>	<b>0.022</b>	<b>.1730633</b> <b>1.256362</b>
GFCG_index D1.	<b>-.1388417</b>	.1364373	<b>-1.02</b>	<b>0.366</b>	<b>-.5176524</b> <b>.239969</b>
LupLp_prv_empl D1.	<b>-.0786216</b>	.2361618	<b>-0.33</b>	<b>0.756</b>	<b>-.734312</b> <b>.5770689</b>
LupLp_mix					

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D1.	.2420985	.3995701	0.61	0.577	-.867286	1.351483
WupWp						
D1.	.033984	.1622132	0.21	0.844	-.416392	.4843599
_cons	1.378257	.8488777	1.62	0.180	-.9786053	3.735119

116 . vif

Variable	VIF	1/VIF
LupLp_prv_~1		
D1.	25.39	0.039384
w_hrl_p~1992		
D1.	25.29	0.039548
GFCG_index		
D1.	9.84	0.101616
SLT_pro~1992		
D1.	9.00	0.111080
melt_pr~1992		
D1.	8.44	0.118533
LupLp_mix		
D1.	5.26	0.190056
WupWp		
D1.	3.80	0.263295
Mean VIF	12.43	

117 . hettest

Breusch-Pagan/Cook-Weisberg test for heteroskedasticity  
Assumption: Normal error terms  
Variable: Fitted values of D.S\_prodS\_prod1992

H0: Constant variance

chi2(1) = 0.01  
Prob > chi2 = 0.9345

118 . hettest, rhs

Breusch-Pagan/Cook-Weisberg test for heteroskedasticity  
Assumption: Normal error terms  
Variables: All independent variables

H0: Constant variance

chi2(7) = 5.42  
Prob > chi2 = 0.6087

119 . ovtest

Ramsey RESET test for omitted variables  
Omitted: Powers of fitted values of D.S\_prodS\_prod1992

H0: Model has no omitted variables

F(3, 1) = 545.40  
Prob > F = 0.0315

120 . NO CAPITAL

command NO is unrecognized  
r(199);

```

121 . NO CAPITAL
  command NO is unrecognized
r(199);

122 . NO CAPITAL
  command NO is unrecognized
r(199);

123 . NO CAPITAL
  command NO is unrecognized
r(199);

124 . NO CAPITAL
  command NO is unrecognized
r(199);

125 . ivregress 2sls S_allS_all1992 SLT_allSLT_all1992 melt_allmelt_all1992 LupLp_prv_empl LupLp_mix WupWp (
> w_hrl_allw_hr_all1992 = SLT_allSLT_all1992 melt_allmelt_all1992 CPI1992 GFCG_index LupLp_prv_empl Lup
> Lp_mix LappubLp WupWp)
```

## Instrumental-variables 2SLS regression

	Number of obs	=	13
Wald chi2(6)	=	11956.95	
Prob > chi2	=	0.0000	
R-squared	=	0.9989	
Root MSE	=	.13866	

S_allS_all1992	Coefficient	Std. err.	z	P> z	[95% conf. interval]
w_hrl_allw_hr_all1992	-1.4265	.0706343	-20.20	0.000	-1.564941 -1.288059
SLT_allSLT_all1992	.059299	.0754149	0.79	0.432	-.0885115 .2071095
melt_allmelt_all1992	1.438294	.0609608	23.59	0.000	1.318813 1.557775
LupLp_prv_empl	.0059105	.0099999	0.59	0.554	-.013689 .0255099
LupLp_mix	-.0456993	.0242183	-1.89	0.059	-.0931663 .0017678
WupWp	.0012776	.0119569	0.11	0.915	-.0221574 .0247127
_cons	94.36054	7.980544	11.82	0.000	78.71896 110.0021

Endogenous: w\_hrl\_allw\_hr\_all1992

Exogenous: SLT\_allSLT\_all1992 melt\_allmelt\_all1992 LupLp\_prv\_empl LupLp\_mix WupWp CPI1992  
GFCG\_index LappubLp

126 . estat endog

Tests of endogeneity  
H0: Variables are exogenous

Durbin (score) chi2(1) = .961073 (p = 0.3269)  
Wu-Hausman F(1,5) = .399152 (p = 0.5553)

```

127 . prais S_allS_all1992 w_hrl_allw_hr_all1992 SLT_allSLT_all1992 melt_allmelt_all1992 LupLp_prv_empl LupL
> p_mix WupWp
```

Iteration 0: rho = 0.0000  
 Iteration 1: rho = -0.0883  
 Iteration 2: rho = -0.2166  
 Iteration 3: rho = -0.3978  
 Iteration 4: rho = -0.6139  
 Iteration 5: rho = -0.7592  
 Iteration 6: rho = -0.7973  
 Iteration 7: rho = -0.8024  
 Iteration 8: rho = -0.8030  
 Iteration 9: rho = -0.8031  
 Iteration 10: rho = -0.8031  
 Iteration 11: rho = -0.8031

## Prais-Winsten AR(1) regression with iterated estimates

Source	SS	df	MS	Number of obs	=	13
Model	14557.6471	6	2426.27451	F(6, 6)	>	99999.00
Residual	.136624033	6	.022770672	Prob > F	=	0.0000
				R-squared	=	1.0000
Total	14557.7837	12	1213.14864	Adj R-squared	=	1.0000
				Root MSE	=	.1509

S_allS_all1992	Coefficient	Std. err.	t	P> t	[95% conf. interval]
w_hrl_allw_hr_all11992	-1.488837	.0497241	-29.94	0.000	-1.610507 -1.367166
SLT_allSLT_all1992	-.0077331	.0544426	-0.14	0.892	-.1409494 .1254831
melt_allmelt_all1992	1.470507	.038524	38.17	0.000	1.376242 1.564772
LupLp_prv_empl	.028839	.0116743	2.47	0.048	.0002729 .057405
LupLp_mix	-.0806821	.0232184	-3.47	0.013	-.1374956 -.0238686
WupWp	.0143251	.0111007	1.29	0.244	-.0128374 .0414876
_cons	102.3052	7.145301	14.32	0.000	84.82129 119.7891
rho	-.8030689				

Durbin-Watson statistic (original) = 2.131358

Durbin-Watson statistic (transformed) = 2.325114

```
128 . reg d.S_allS_all1992 d.w_hrl_allw_hr_all11992 d.SLT_allSLT_all1992 d.melt_allmelt_all1992 d.LupLp_prv_e
> mpl d.LupLp_mix d.WupWp
```

Source	SS	df	MS	Number of obs	=	12
Model	163.422542	6	27.2370904	F(6, 5)	=	793.24
Residual	.171682566	5	.034336513	Prob > F	=	0.0000
Total	163.594225	11	14.8722022	R-squared	=	0.9990
				Adj R-squared	=	0.9977
				Root MSE	=	.1853

D.S_allS_all1992	Coefficient	Std. err.	t	P> t	[95% conf. interval]
w_hrl_allw_hr_all11992					
D1.	-1.487891	.093697	-15.88	0.000	-1.728747 -1.247036
SLT_allSLT_all1992					
D1.	.0867309	.1288673	0.67	0.531	-.2445331 .417995
melt_allmelt_all1992					
D1.	1.492821	.0925803	16.12	0.000	1.254835 1.730806
LupLp_prv_empl					
D1.	.005804	.0094175	0.62	0.565	-.0184045 .0300126
LupLp_mix					
D1.	-.0218575	.0261199	-0.84	0.441	-.0890007 .0452857
WupWp					
D1.	-.0169305	.0185908	-0.91	0.404	-.0647197 .0308587
_cons					
	.0724146	.090402	0.80	0.459	-.1599711 .3048004

```
129 . vif
```

Variable	VIF	1/VIF
melt_a1~1992		
D1.	56.71	0.017633
w_hrl_a~1992		
D1.	38.84	0.025749
SLT_all~1992		
D1.	19.57	0.051107
WupWp		
D1.	2.62	0.382014
LupLp_prv_~1		
D1.	2.12	0.471979
LupLp_mix		
D1.	1.18	0.847593
Mean VIF		20.17

130 . hettest

Breusch-Pagan/Cook-Weisberg test for heteroskedasticity  
 Assumption: Normal error terms  
 Variable: Fitted values of D.S\_allS\_all1992

H0: Constant variance

chi2(1) = 0.42  
 Prob > chi2 = 0.5169

131 . hettest, rhs

Breusch-Pagan/Cook-Weisberg test for heteroskedasticity  
 Assumption: Normal error terms  
 Variables: All independent variables

H0: Constant variance

chi2(6) = 3.80  
 Prob > chi2 = 0.7041

132 . ovtest

Ramsey RESET test for omitted variables  
 Omitted: Powers of fitted values of D.S\_allS\_all1992

H0: Model has no omitted variables

F(3, 2) = 4.63  
 Prob > F = 0.1827

133 . ivregress 2sls S\_prods\_prod1992 SLT\_prodSLT\_prod1992 melt\_prodmelt\_prod1992 LupLp\_prv\_empl LupLp\_mix Wu > pWp ( w\_hrl\_prodw\_hr\_prod1992 = SLT\_prodSLT\_prod1992 melt\_prodmelt\_prod1992 CPI1992 GFCG\_index LupLp\_pr > v\_empl LupLp\_mix WupWp)

Instrumental-variables 2SLS regression

Number of obs	=	13
Wald chi2(6)	=	346.81
Prob > chi2	=	0.0000
R-squared	=	0.9637
Root MSE	=	1.2223

S_prods_prod1992	Coefficient	Std. err.	z	P> z	[95% conf. interval]
w_hrl_prodw_hr_prod1992	-.8433572	.2179438	-3.87	0.000	-1.270519 -.4161952
SLT_prodSLT_prod1992	.3936735	.5491657	0.72	0.473	.6826714 1.470018
melt_prodmelt_prod1992	.5524691	.2025299	2.73	0.006	.1555177 .9494205
LupLp_prv_empl	.1795185	.1185158	1.51	0.130	-.0527682 .4118052
LupLp_mix	-.1866745	.1969719	-0.95	0.343	-.5727323 .1993834
WupWp	.1444145	.1328317	1.09	0.277	-.1159308 .4047599
_cons	78.76231	58.86722	1.34	0.181	-36.61533 194.1399

Endogenous: w\_hrl\_prodw\_hr\_prod1992

Exogenous: SLT\_prodSLT\_prod1992 melt\_prodmelt\_prod1992 LupLp\_prv\_empl LupLp\_mix WupWp  
 CPI1992 GFCG\_index

134 . estat endog

Tests of endogeneity  
 H0: Variables are exogenous

Durbin (score) chi2(1) = 1.62832 (p = 0.2019)  
 Wu-Hausman F(1,5) = .715952 (p = 0.4361)

135 . prais S\_prodS\_prod1992 w\_hrl\_prodw\_hr\_prod1992 SLT\_prodSLT\_prod1992 melt\_prodmelt\_prod1992 LupLp\_prv\_em > pl LupLp\_mix WupWp

Iteration 0: rho = **0.0000**  
 Iteration 1: rho = **0.0410**  
 Iteration 2: rho = **0.1124**  
 Iteration 3: rho = **0.2326**  
 Iteration 4: rho = **0.4144**  
 Iteration 5: rho = **0.6280**  
 Iteration 6: rho = **0.7940**  
 Iteration 7: rho = **0.8741**  
 Iteration 8: rho = **0.8965**  
 Iteration 9: rho = **0.9003**  
 Iteration 10: rho = **0.9009**  
 Iteration 11: rho = **0.9010**  
 Iteration 12: rho = **0.9010**  
 Iteration 13: rho = **0.9010**  
 Iteration 14: rho = **0.9010**

Prais-Winsten AR(1) regression with iterated estimates

Source	SS	df	MS	Number of obs	=	13
Model	<b>1898.09087</b>	<b>6</b>	<b>316.348478</b>	F(6, 6)	=	<b>152.64</b>
Residual	<b>12.4352452</b>	<b>6</b>	<b>2.07254087</b>	Prob > F	=	<b>0.0000</b>
Total	<b>1910.52611</b>	<b>12</b>	<b>159.210509</b>	R-squared	=	<b>0.9935</b>

S_prodS_prod1992	Coefficient	Std. err.	t	P> t	[95% conf. interval]
w_hrl_prodw_hr_prod1992	<b>-.9699603</b>	<b>.1864066</b>	<b>-5.20</b>	<b>0.002</b>	<b>-1.426081</b> <b>-.5138399</b>
SLT_prodSLT_prod1992	<b>.7632301</b>	<b>.5284967</b>	<b>1.44</b>	<b>0.199</b>	<b>-.5299548</b> <b>2.056415</b>
melt_prodmelt_prod1992	<b>.7060137</b>	<b>.1899181</b>	<b>3.72</b>	<b>0.010</b>	<b>.2413008</b> <b>1.170727</b>
LupLp_prv_empl	<b>.179371</b>	<b>.0930559</b>	<b>1.93</b>	<b>0.102</b>	<b>-.0483286</b> <b>.4070706</b>
LupLp_mix	<b>-.2607689</b>	<b>.2014185</b>	<b>-1.29</b>	<b>0.243</b>	<b>-.7536221</b> <b>.2320843</b>
WupWp	<b>-.070126</b>	<b>.1493626</b>	<b>-0.47</b>	<b>0.655</b>	<b>-.4356031</b> <b>.295351</b>
_cons	<b>71.69911</b>	<b>52.70692</b>	<b>1.36</b>	<b>0.223</b>	<b>-57.27008</b> <b>200.6683</b>
rho	<b>.900993</b>				

Durbin-Watson statistic (original) = **1.851430**

Durbin-Watson statistic (transformed) = **1.793356**

136 . reg d.S\_prodS\_prod1992 d.w\_hrl\_prodw\_hr\_prod1992 d.SLT\_prodSLT\_prod1992 d.melt\_prodmelt\_prod1992 d.LupLp > p\_prv\_empl d.LupLp\_mix d.WupWp

Source	SS	df	MS	Number of obs	=	12
Model	<b>544.365957</b>	<b>6</b>	<b>90.7276594</b>	F(6, 5)	=	<b>50.00</b>
Residual	<b>9.07282323</b>	<b>5</b>	<b>1.81456465</b>	Prob > F	=	<b>0.0003</b>
Total	<b>553.43878</b>	<b>11</b>	<b>50.3126163</b>	R-squared	=	<b>0.9836</b>

D.S_prodS_prod1992	Coefficient	Std. err.	t	P> t	[95% conf. interval]
w_hrl_prodw_hr_prod1992 D1.	<b>-.8453927</b>	<b>.1867247</b>	<b>-4.53</b>	<b>0.006</b>	<b>-1.325384</b> <b>-.3654015</b>
SLT_prodSLT_prod1992 D1.	<b>1.153862</b>	<b>.5371084</b>	<b>2.15</b>	<b>0.084</b>	<b>-.2268192</b> <b>2.534543</b>
melt_prodmelt_prod1992 D1.	<b>.6317176</b>	<b>.1778504</b>	<b>3.55</b>	<b>0.016</b>	<b>.1745387</b> <b>1.088897</b>
LupLp_prv_empl D1.	<b>.1453403</b>	<b>.0859527</b>	<b>1.69</b>	<b>0.152</b>	<b>-.0756083</b> <b>.3662889</b>
LupLp_mix D1.	<b>-.1057532</b>	<b>.2076402</b>	<b>-0.51</b>	<b>0.632</b>	<b>-.6395092</b> <b>.4280028</b>
WupWp D1.	<b>-.0600641</b>	<b>.1337839</b>	<b>-0.45</b>	<b>0.672</b>	<b>-.4039666</b> <b>.2838384</b>

<code>_cons</code>	.6910698	.5162	1.34	0.238	-.6358645	2.018004
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137 . vif

Variable	VIF	1/VIF
w_hrl_p~1992 D1. melt_pr~1992 D1. SLT_pro~1992 D1. LupLp_prv_~1 D1. WupWp D1. LupLp_mix D1.	<b>10.87</b> <b>6.96</b> <b>6.68</b> <b>3.34</b> <b>2.57</b> <b>1.41</b>	<b>0.091976</b> <b>0.143636</b> <b>0.149622</b> <b>0.299429</b> <b>0.389838</b> <b>0.708798</b>
Mean VIF		<b>5.31</b>

138 . hettest

Breusch-Pagan/Cook-Weisberg test for heteroskedasticity  
 Assumption: Normal error terms  
 Variable: Fitted values of D.S\_prodS\_prod1992

H0: Constant variance

chi2(1) = **0.18**  
 Prob > chi2 = **0.6712**

139 . hettest, rhs

Breusch-Pagan/Cook-Weisberg test for heteroskedasticity  
 Assumption: Normal error terms  
 Variables: All independent variables

H0: Constant variance

chi2(6) = **2.90**  
 Prob > chi2 = **0.8208**

140 . ovtest

Ramsey RESET test for omitted variables  
 Omitted: Powers of fitted values of D.S\_prodS\_prod1992

H0: Model has no omitted variables

F(3, 2) = **0.31**  
 Prob > F = **0.8230**

141 . log close

```
name: <unnamed>
log: C:\Users\40018815\OneDrive - Edinburgh Napier University\Surplus Value paper\SER\EXCEL\SER A
> LL.smcl
log type: smcl
closed on: 14 Jun 2025, 22:33:11
```

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