Replication log for ura and socker (2011) forum

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. ***baseline model

. reg  dmood lmood ldomestic_gdp ddomestic_gpd dunemp lunemp dinflation linflation

      Source |       SS       df       MS              Number of obs =      51
-------------+------------------------------           F(  7,    43) =    3.38
       Model |  63.4379575     7  9.06256536           Prob > F      =  0.0059
    Residual |  115.427818    43  2.68436786           R-squared     =  0.3547
-------------+------------------------------           Adj R-squared =  0.2496
       Total |  178.865775    50  3.57731551           Root MSE      =  1.6384

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       dmood |      Coef.   Std. Err.      t    P>|t|     [95% Conf. Interval]
-------------+----------------------------------------------------------------
       lmood |  -.2318044   .0703412    -3.30   0.002     -.373661   -.0899479
ldomestic_~p |  -.2385875   .1004706    -2.37   0.022    -.4412059   -.0359692
ddomestic_~d |   -.602487   .3742709    -1.61   0.115    -1.357276    .1523022
      dunemp |   1.212467   .5074759     2.39   0.021     .1890444     2.23589
      lunemp |   .4497233   .2457341     1.83   0.074    -.0458467    .9452933
  dinflation |   .0638893   .2165226     0.30   0.769    -.3727701    .5005487
  linflation |  -.4024396   .1362374    -2.95   0.005    -.6771884   -.1276907
       _cons |   16.25999   5.354329     3.04   0.004      5.46196    27.05803
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. ***bewley model for lrms

. ivreg mood ddomestic_gpd  domestic_gdp unemp dunemp inflation dinflation   (dmood=
lmood ddo
> mestic_gpd  domestic_gdp unemp dunemp inflation dinflation )

Instrumental variables (2SLS) regression

      Source |       SS       df       MS              Number of obs =      51
-------------+------------------------------           F(  7,    43) =    2.46
       Model | -1174.10323     7 -167.729032           Prob > F      =  0.0328
    Residual |  2148.16199    43  49.9572556           R-squared     =       .
-------------+------------------------------           Adj R-squared =       .
       Total |  974.058764    50  19.4811753           Root MSE      =   7.068

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        mood |      Coef.   Std. Err.      t    P>|t|     [95% Conf. Interval]
-------------+----------------------------------------------------------------
       dmood |  -3.313981    1.30908    -2.53   0.015    -5.953993   -.6739696
ddomestic_~d |  -1.569856   1.800096    -0.87   0.388    -5.200096    2.060384
domestic_gdp |  -1.029262   .4073981    -2.53   0.015    -1.850859   -.2076658
unemployment |   1.940098   1.285141     1.51   0.138    -.6516363    4.531832
      dunemp |   3.290463   2.240421     1.47   0.149    -1.227776    7.808702
   inflation |  -1.736117   .7065084    -2.46   0.018    -3.160927   -.3113069
  dinflation |   2.011734   1.352214     1.49   0.144    -.7152654    4.738733
       _cons |   70.14531   6.301937    11.13   0.000     57.43624    82.85438
------------------------------------------------------------------------------
Instrumented:  dmood
Instruments:   ddomestic_gpd domestic_gdp unemployment dunemp inflation
               dinflation lmood
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. ***extended model

. reg  dmood lmood ddeficit_gdp ldeficit_gdp ldomestic_gdp ddomestic_gpd dunemp lunemp
dinflat
> ion linflation

      Source |       SS       df       MS              Number of obs =      51
-------------+------------------------------           F(  9,    41) =    3.97
       Model |  83.2863191     9  9.25403546           Prob > F      =  0.0011
    Residual |  95.5794563    41  2.33120625           R-squared     =  0.4656
-------------+------------------------------           Adj R-squared =  0.3483
       Total |  178.865775    50  3.57731551           Root MSE      =  1.5268

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       dmood |      Coef.   Std. Err.      t    P>|t|     [95% Conf. Interval]
-------------+----------------------------------------------------------------
       lmood |  -.3133226   .0740341    -4.23   0.000    -.4628374   -.1638078
ddeficit_gdp |  -.6391553   .2346273    -2.72   0.009    -1.112995   -.1653158
ldeficit_gdp |   -.553172   .2328281    -2.38   0.022    -1.023378   -.0829661
ldomestic_~p |  -.3600116   .1068611    -3.37   0.002     -.575822   -.1442012
ddomestic_~d |  -.6805144   .3511091    -1.94   0.060    -1.389594    .0285648
      dunemp |   .9289107   .4833827     1.92   0.062    -.0473005    1.905122
      lunemp |  -.1320849   .3344995    -0.39   0.695    -.8076204    .5434506
  dinflation |   .0867091    .219386     0.40   0.695      -.35635    .5297681
  linflation |  -.4423746   .1277426    -3.46   0.001    -.7003559   -.1843932
       _cons |   25.20936   6.246507     4.04   0.000     12.59429    37.82444
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. ***bewley model for lrms

. ivreg mood  ddeficit_gdp deficit_gdp ddomestic_gpd  domestic_gdp unemp dunemp
inflation dinf
> lation   (dmood= lmood  ddeficit_gdp deficit_gdp ddomestic_gpd  domestic_gdp unemp
dunemp in
> flation dinflation )

Instrumental variables (2SLS) regression

      Source |       SS       df       MS              Number of obs =      51
-------------+------------------------------           F(  9,    41) =    4.11
       Model |  .457580855     9  .050842317           Prob > F      =  0.0008
    Residual |  973.601183    41  23.7463703           R-squared     =  0.0005
-------------+------------------------------           Adj R-squared = -0.2189
       Total |  974.058764    50  19.4811753           Root MSE      =   4.873

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        mood |      Coef.   Std. Err.      t    P>|t|     [95% Conf. Interval]
-------------+----------------------------------------------------------------
       dmood |  -2.191599   .7541332    -2.91   0.006    -3.714602   -.6685957
ddeficit_gdp |  -.2744242   .7229743    -0.38   0.706      -1.7345    1.185652
 deficit_gdp |  -1.765503   .6618527    -2.67   0.011    -3.102142   -.4288642
ddomestic_~d |  -1.022916   1.228889    -0.83   0.410    -3.504708    1.458875
domestic_gdp |  -1.149012   .2918301    -3.94   0.000    -1.738375   -.5596496
unemployment |  -.4215619   1.029028    -0.41   0.684    -2.499726    1.656602
      dunemp |   3.386272   1.585641     2.14   0.039     .1840055    6.588539
   inflation |  -1.411882   .4654536    -3.03   0.004    -2.351885   -.4718793
  dinflation |   1.688623   .9748013     1.73   0.091    -.2800284    3.657274
       _cons |   80.45816   5.537095    14.53   0.000     69.27577    91.64055
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Instrumented:  dmood
Instruments:   ddeficit_gdp deficit_gdp ddomestic_gpd domestic_gdp
               unemployment dunemp inflation dinflation lmood
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