cd "T:\LabourMarket\_BusinessPerformance\Forecasting\Short term forecasting\Forecast of migration\New folder (43)Q12018"

create 2024Estimates y 6/01/1986 6/01/2020

sample sq1 6/01/1986 6/01/2020

read(t=xls, s=Updated data) AnnualupdatedAllInputData3Jan2019.xls EMP1617 WAP1617 EMP1819 WAP1819 EMP2024 WAP2024 EMP2529 WAP2529 EMP3039 WAP3039 EMP4049 WAP4049 EMP5059 WAP5059 EMPPAC WAPPAC EMPMAO WAPMAO EMPFEM WAPFEM EMPAll WAPALL NMW1617 NMW1819 NMWADL mwdumyouth mwdum01 mwdum97 mwdumsig1819 mwdumsig1617 PPIO PPII NAHEOT t D1 D2 D3 D4 D5 D6 D7 D8 houract hourusu fte empagri empretail emphos empagri1617 empretail1617 emphos1617 empagri1819 empretail1819 emphos1819 empagri2024 empretail2024 emphos2024 gdp Nosexper Nosexpect unempmal unempfem unemp num quart2 quart3 quart4 empAGRIFEMALE empAGRIMAO empAGRIPAC empRETAILFEMALE empRETAILMAO empRETAILPAC empHOSFEMALE empHOSMAO empHOSPAC GDPAGRI GDPHOS GDPRETAIL QSBO

series LEMP2024=log(EMP2024)

series DLEMP2024=LEMP2024-LEMP2024(-1)

series nmwall=emp1617/empall\*nmw1617+emp1819/empall\*nmw1819+(1-emp1617/empall-emp1819/empall)\*nmwadl

series rmwall=nmwall\*(1000/ppio)

series lrmwall=log(rmwall)

series dlrmwall=lrmwall-lrmwall(-1)

series LGDP=log(GDP)

series DLGDP=LGDP-LGDP(-1)

series raheot=naheot\*(1000/ppio)

series lraheot=log(raheot)

series dlraheot=lraheot-lraheot(-1)

equation reg1.ls dlemp2024 c dlrmwall dlgdp dlgdp(-1) dlraheot

**The equation output is as follows:**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Dependent Variable: DLEMP2024 | | |  |  |
| Method: Least Squares | | |  |  |
| Date: 01/07/19 Time: 10:52 | | |  |  |
| Sample (adjusted): 6/01/1995 6/01/2017 | | | |  |
| Included observations: 23 after adjustments | | | |  |
|  |  |  |  |  |
|  |  |  |  |  |
| Variable | Coefficient | Std. Error | t-Statistic | Prob. |
|  |  |  |  |  |
|  |  |  |  |  |
| C | -0.014740 | 0.022072 | -0.667822 | 0.5127 |
| DLRMWALL | -0.212908 | 0.493524 | -0.431403 | 0.6713 |
| DLGDP | 0.255307 | 0.618494 | 0.412787 | 0.6846 |
| DLGDP(-1) | 0.776251 | 0.551813 | 1.406729 | 0.1765 |
| DLRAHEOT | -0.095399 | 0.615554 | -0.154981 | 0.8786 |
|  |  |  |  |  |
|  |  |  |  |  |
| R-squared | 0.154100 | Mean dependent var | | 0.010643 |
| Adjusted R-squared | -0.033878 | S.D. dependent var | | 0.046199 |
| S.E. of regression | 0.046975 | Akaike info criterion | | -3.088752 |
| Sum squared resid | 0.039719 | Schwarz criterion | | -2.841906 |
| Log likelihood | 40.52065 | Hannan-Quinn criter. | | -3.026671 |
| F-statistic | 0.819779 | Durbin-Watson stat | | 1.143478 |
| Prob(F-statistic) | 0.529304 |  |  |  |
|  |  |  |  |  |
|  |  |  |  |  |

cd "T:\LabourMarket\_BusinessPerformance\Forecasting\Short term forecasting\Forecast of migration\New folder (43)Q12018"

create 2024Estimates q 1986q1 2020q1

sample sq1 1986q1 2018q1

read(t=xls, s=Updated data) UpdatedAllInputData3Jan2019.xls EMP1617 WAP1617 EMP1819 WAP1819 EMP2024 WAP2024 EMP2529 WAP2529 EMP3039 WAP3039 EMP4049 WAP4049 EMP5059 WAP5059 EMPPAC WAPPAC EMPMAO WAPMAO EMP1519 WAP1519 EMP6064 WAP6064 EMP65over WAP65over EMPFEM WAPFEM EMPAll WAPALL NMW1617 NMW1819 NMWADL mwdumyouth mwdum01 mwdum97 mwdumsig1819 mwdumsig1617 PPIO PPII NAHEOT t D1 D2 D3 D4 D5 D6 D7 D8 houract hourusu fte empagri empretail emphos empagri1617 empretail1617 emphos1617 empagri1819 empretail1819 emphos1819 empagri2024 empretail2024 emphos2024 gdp Nosexper Nosexpect unempmal unempfem unemp num quart2 quart3 quart4 empAGRIFEMALE empAGRIMAO empAGRIPAC empRETAILFEMALE empRETAILMAO empRETAILPAC empHOSFEMALE empHOSMAO empHOSPAC GDPAGRI GDPHOS GDPRETAIL QSBO

series LEMP2024=log(EMP2024)

series DLEMP2024=LEMP2024-LEMP2024(-1)

series nmwall=emp1617/empall\*nmw1617+emp1819/empall\*nmw1819+(1-emp1617/empall-emp1819/empall)\*nmwadl

series rmwall=nmwall\*(1000/ppio)

series lrmwall=log(rmwall)

series dlrmwall=lrmwall-lrmwall(-1)

series LGDP=log(GDP)

series DLGDP=LGDP-LGDP(-1)

series raheot=naheot\*(1000/ppio)

series lraheot=log(raheot)

series dlraheot=lraheot-lraheot(-1)

equation reg1.ls dlemp2024 c dlrmwall dlgdp dlgdp(-1) dlraheot

**The equation output is as follows:**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Dependent Variable: DLEMP2024 | | |  |  |
| Method: Least Squares | | |  |  |
| Date: 01/07/19 Time: 10:46 | | |  |  |
| Sample (adjusted): 1994Q3 2018Q1 | | | |  |
| Included observations: 95 after adjustments | | | |  |
|  |  |  |  |  |
|  |  |  |  |  |
| Variable | Coefficient | Std. Error | t-Statistic | Prob. |
|  |  |  |  |  |
|  |  |  |  |  |
| C | -0.002380 | 0.002892 | -0.822784 | 0.4128 |
| DLRMWALL | -0.054519 | 0.152149 | -0.358329 | 0.7209 |
| DLGDP | 0.541628 | 0.071427 | 7.583011 | 0.0000 |
| DLGDP(-1) | 0.392916 | 0.087938 | 4.468112 | 0.0000 |
| DLRAHEOT | -0.458896 | 0.271724 | -1.688830 | 0.0947 |
|  |  |  |  |  |
|  |  |  |  |  |
| R-squared | 0.496750 | Mean dependent var | | 0.003351 |
| Adjusted R-squared | 0.474383 | S.D. dependent var | | 0.033334 |
| S.E. of regression | 0.024167 | Akaike info criterion | | -4.556438 |
| Sum squared resid | 0.052565 | Schwarz criterion | | -4.422023 |
| Log likelihood | 221.4308 | Hannan-Quinn criter. | | -4.502124 |
| F-statistic | 22.20940 | Durbin-Watson stat | | 2.436894 |
| Prob(F-statistic) | 0.000000 |  |  |  |
|  |  |  |  |  |
|  |  |  |  |  |