Table 3: Tobit regression for donors’ commitment and access to improved water resources (1995-2016)

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | All donors/ratio† | All W&S donors | DAC countries | G7 | Total multilateral | EU ins | UN | World Bank | Denmark |
| Constant | 3.828\*\*\* | 27.60\*\* | 6.172 | 0.231 | 30.07\*\*\* | -22.34\*\*\* | 1.474\*\*\* | 49.41\*\* | 19.56\*\* |
| (4.27) | (3.01) | (0.8) | (0.03) | (4.90) | (4.22) | (10.11) | (2.74) | (2.83) |
| Total improved water sources | 0.0370\*\*\* | 0.458\*\*\* | 0.456\*\*\* | 0.460\*\*\* | 0.0674 | -0.0914 | -0.0101\*\*\* | 0.342 | -0.0874 |
| (3.32) | (3.96) | (4.67) | (4.35) | (0.87) | (1.37) | (5.52) | (1.4) | (0.96) |
| Government effectiveness | 1.334\*\*\* | 10.35\*\* | 7.347\*\* | 6.934\* | 9.704\*\*\* | 7.744\*\*\* | -0.43\*\*\* | 30.37\*\*\* | 1.945 |
| (4.21) | (3.21) | (2.61) | (2.27) | (4.3) | (3.84) | (8.75) | (3.82) | (0.73) |
| GDP per capita | -0.0201\*\*\* | -0.505\*\*\* | -0.301\*\*\* | -0.253\*\*\* | -0.327\*\*\* | -0.159\*\*\* | -0.01\*\*\* | -0.859\*\* | -0.186\* |
| (3.68) | (8.00) | (5.56) | (4.21) | (6.60) | (4.09) | (10.91) | (2.64) | (2.40) |
| Sigma cons | 8.995\*\*\* | 88.12\*\*\* | 72.22\*\*\* | 71.60\*\*\* | 47.12\*\*\* | 36.83\*\*\* | 0.927\*\*\* | 67.96\*\*\* | 16.70\*\*\* |
| (75.67) | (171.2) | (70.04) | (66.89) | (56.99) | (26.38) | (46.58) | (27.57) | (20.98) |
| N | 2863 | 2532 | 2454 | 2238 | 1626 | 2863 | 2863 | 380 | 220 |
| LR chi2(3) | 37.77\*\*\* | 64.46\*\*\* | 41.79\*\*\* | 29.25\*\*\* | 50.03\*\*\* | 32.18\*\*\* | 593.35\*\*\* | 20.82\*\*\* | 11.67\* |
| Pseudo R^2 | 0.0018 | 0.0022 | 0.0015 | 0.0011 | 0.0029 | 0.0052 | 0.1101 | 0.0048 | 0.0062 |
|  |  |  |  |  |  |  |  |  |  |
|  | France | Germany | Japan | Korea | Netherlands | Norway | Sweden | UK | USA |
| Constant | 5.622 | 1.686 | 4.64 | -47.13\*\*\* | -2.806 | 1.157 | 5.103\*\* | 5.816 | -52.42\*\* |
|  | (1.46) | (0.51) | (0.51) | (9.24) | (1.30) | (1.57) | (3.02) | (1.02) | (3.06) |
| Total improved water sources | 0.0788 | 0.149\*\*\* | 0.318\*\* | 0.207\*\*\* | -0.0543 | 0. 0044232 | -0.0269 | -0.0139 | 0.655\*\* |
| (1.56) | (3.47) | (2.81) | (3.63) | (1.86) | (0.58) | (1.15) | (0.18) | (3.14) |
| Government effectiveness | 3.383\* | 4.023\*\* | 14.25\*\*\* | -4.529\*\* | 6.353\*\*\* | 0.528\* | -0.722 | 1.564 | -27.87\*\*\* |
| (2.29) | (3.01) | (4.42) | (2.82) | (6.89) | (2.34 ) | (1.03) | (0.66) | (4.81) |
| GDP per capita | -0.0467 | -0.0443 | - 0.261\*\*\* | -0.166\*\*\* | -0.242\*\*\* | -0.044\*\*\* | -0.0393 | -0.397\*\*\* | 0.0774 |
| (1.67) | (1.65) | (4.25) | (4.68) | (9.47) | (7.87) | (1.89) | (4.54) | (0.66) |
| Sigma cons | 20.48\*\*\* | 19.79\*\*\* | 60.08\*\*\* | 25.27\*\*\* | 15.71\*\*\* | 2.588\* | 4.934\*\*\* | 20.25\*\*\* | 67.31\*\*\* |
|  | (40.84) | (47.81) | (56.32) | (21.68) | (28.12) | (132.23) | (23.97) | (18.45) | (126.33) |
| N | 840 | 1145 | 1586 | 2863 | 2863 | 2,863 | 290 | 361 | 662 |
| LR chi2(3) | 9.09\* | 31.53\*\*\* | 34.48\*\*\* | 48.28\*\*\* | 202.17\*\*\* | 107.84\*\*\* | 14.65\*\*\* | 40.04\*\*\* | 23.20\*\*\* |
| Pseudo R^2 | 0.0012 | 0.0031 | 0.0020 | 0.0126 | 0.0364 | 0.0266 | 0.0083 | 0.0212 | 0.0031 |
| †Ratio of W&S aid with respect to total aid given by all donors  t-statistics are in parentheses, \*\*\* significant at 1% level, \*\* significant at 5% level, \* significant at 10% level  This is the Likelihood Ratio (LR) Chi-Square test indicating that at least one of the regression coefficient is not equal to zero. The number in the parentheses indicates the degrees of freedom of the Chi-Square distribution  The correlation between All ‎donors/ratio‎ and Total improved ‎water sources is (0.1102\*\*\*)  The LR chi2(3) – This is the Likelihood Ratio (LR) Chi-Square test that at least one of the predictors’ regression coefficient is not equal to zero in the model, the null hypothesis H0 is that all of the regression coefficients in the model are equal to zero. | | | | | | | | | |

Table 4: Tobit regression for donors’ commitment and access to improved sanitation (1995-2016)

|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | | All donors/ratio† | All W&S donors | DAC countries | G7 | Total multilateral | EU ins | UN | World Bank | Denmark |
| Constant | | 5.489\*\*\* | 55.33\*\*\* | 29.34\*\*\* | 21.96\*\*\* | 37.97\*\*\* | -24.96\*\*\* | 0.127 | 72.02\*\*\* | 15.20\*\*\* |
| (12.04) | (11.98) | (7.54) | (5.33) | (12.46) | (8.76) | (1.92) | (8.51) | (6.05) |
| Improved sanitation | | 0.0246\*\*\* | 0.150\* | 0.245\*\*\* | 0.278\*\*\* | -0.0679 | -0.0878\* | -0.00985\*\*\* | 0.0166 | -0.074 |
| (3.48) | (2.02) | (3.94) | (4.27) | (1.36) | (2.06) | (9.08) | (0.1) | (1.46) |
| Government effectiveness | | 1.524\*\*\* | 13.01\*\*\* | 9.472\*\*\* | 8.448\*\* | 10.62\*\*\* | 8.127\*\*\* | -0.422\*\*\* | 32.81\*\*\* | 0.826 |
| (4.94) | (4.12) | (3.44) | (2.79) | (4.83) | (4.1) | (8.82) | (4.23) | (0.32) |
| GDP per capita | | -0.0230\*\*\* | -0.478\*\*\* | -0.319\*\*\* | -0.278\*\*\* | -0.269\*\*\* | -0.141\*\*\* | -0.00967\*\*\* | -0.655 | -0.147 |
| (3.92) | (6.99) | (5.51) | (4.40) | (4.91) | (3.40) | (7.92) | (1.82) | (1.72) |
| Sigma constant | | 9.008\*\*\* | 88.39\*\*\* | 72.31\*\*\* | 71.68\*\*\* | 47.34\*\*\* | 36.88\*\*\* | 1.103\*\*\* | 68.13\*\*\* | 16.66\*\*\* |
| (75.63) | (168.83) | (70.01) | (66.8) | (56.96) | (26.33) | (44.25) | (27.61) | (20.98) |
| N | | 2860 | 2528 | 2452 | 2232 | 1624 | 2860 | 2860 | 381 | 220 |
| LR chi2(3) | | 41.79\*\*\* | 54.05\*\*\* | 36.87\*\*\* | 29.07\*\*\* | 50.65\*\*\* | 37.35\*\*\* | 636.82\*\*\* | 18.72\*\*\* | 12.89\*\* |
| Pseudo R^2 | | 0.0020 | 0.0018 | 0.0013 | 0.0011 | 0.0029 | 0.0061 | 0.1181 | 0.0043 | 0.0069 |
|  | |  |  |  |  |  |  |  |  |  |
|  | | France | Germany | Japan | Korea | Netherlands | Norway | Sweden | UK | USA |
| Constant | 9.940\*\*\* | | 7.143\*\*\* | 25.38\*\*\* | -36.52\*\*\* | -2.836\* | -3.106\*\*\* | 3.787\*\*\* | 6.316\* | -29.46\*\*\* |
| (5.24) | | (4.67) | (5.68) | (12.82) | (2.56) | (9.90) | (5.28) | (2.33) | (3.95) |
| Improved sanitation | 0.0308 | | 0.137\*\*\* | 0.0737 | 0.120\*\*\* | -0.0987\*\*\* | 0.00574 | -0.0158 | -0.0522 | 0.622\*\*\* |
| (1.01) | | (5.47) | (1.09) | (3.49) | (5.09) | (1.18) | (1.20) | (0.92) | (5.25) |
| Government effectiveness | 3.523\* | | 4.990\*\*\* | 16.13\*\*\* | -3.577\* | 6.356\*\*\* | 0.539\* | -0.828 | 1.392 | -26.51\*\*\* |
| (2.37) | | (3.84) | (5.08) | (2.33) | (7.04) | (2.41) | (1.16) | (0.59) | (4.97) |
| GDP per capita | -0.0415 | | -0.0849\*\* | -0.223\*\*\* | -0.182\*\*\* | -0.189\*\*\* | -0.0490\*\*\* | -0.0383 | -0.352\*\*\* | -0.11 |
| (1.44) | | (3.03) | (3.42) | (4.89) | (7.46) | (8.19) | (1.83) | (3.78) | (0.89) |
| Sigma constant | | 20.52\*\*\* | 19.65\*\*\* | 60.21\*\*\* | 25.07\*\*\* | 15.57\*\*\* | 4.092\*\*\* | 4.940\*\*\* | 20.21\*\*\* | 66.45\*\*\* |
|  | | (40.76) | (47.79) | (56.27) | (21.81) | (28.21) | (131.16) | (23.93) | (18.46) | (124.59) |
| N | | 837 | 1144 | 1583 | 2860 | 2860 | 2860 | 289 | 360 | 662 |
| LR chi2(3) | | 7.74\* | 49.29\*\*\* | 28.47\*\*\* | 46.30\*\*\* | 225.72\*\*\* | 108.16\*\*\* | 14.68\*\*\* | 40.51\*\*\* | 40.20\*\*\* |
| Pseudo R^2 | | 0.0010 | 0.0049 | 0.0016 | 0.0120 | 0.0406 | 0.0267 | 0.0084 | 0.0215 | 0.0054 |
| †Ratio of W&S aid with respect to total aid given by all donors  t-statistics are in parentheses, \*\*\* significant at 1% level, \*\* significant at 5% level, \* significant at 10% level  The correlation between All ‎donors/ratio‎ and Total improved ‎sanitation is ( 0.1121\*\*\*)  The LR chi2(3) – This is the Likelihood Ratio (LR) Chi-Square test that at least one of the predictors’ regression coefficient is not equal to zero in the model, the null hypothesis H0 is that all of the regression coefficients in the model are equal to zero. | | | | | | | | | | |

Table 5: Tobit regression for donors’ commitment and access to improved water resources (1995-2016)‎ with the MDGs dummy ‎‎variable

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | All donors/ratio† | All W&S donors | DAC countries | G7 | Total multilateral | EU. Ins | UN | World Bank | Denmark |
| Constant | 3.891\*\*\* | 23.96\*\*\* | 5.068 | 0.386 | 26.98\*\*\* | -23.73\*\*\* | -0.319\* | 59.13\*\*\* | 19.50\*\* |
|  | (5.34) | (3.78) | (0.87) | (0.06) | (4.99) | (4.51) | (2.44) | (3.69) | (3.3) |
| Total improved water sources | 0.0385\*\* | 0.356\*\*\* | 0.421\*\*\* | 0.464\*\*\* | 0.0425 | -0.133\* | -0.0168\*\*\* | 0.406 | -0.0629 |
|  | (4.30) | (4.33) | (5.46) | (5.61) | (0.58) | (2.01) | (8.90) | (1.66) | (0.86) |
| Government effectiveness | 1.258\*\*\* | 14.89\*\* | 8.879\* | 6.775 | 11.08\*\*\* | 9.854\*\*\* | -0.0341 | 26.70\*\*\* | 0.891 |
|  | (3.99) | (3.2) | (2.09) | (1.35) | (5.53) | (4.73) | (0.70) | (3.64) | (0.44) |
| GDP per capita | -0.0195\*\*\* | -0.538\*\*\* | -0.312\*\*\* | -0.251\*\*\* | -0.338\*\*\* | -0.176\*\*\* | -0.0152\*\*\* | -0.855\*\* | -0.181\*\* |
|  | (3.78) | (7.69) | (5.75) | (3.81) | (7.15) | (4.38) | (8.90) | (3.07) | (3.26) |
| MDGs dummy ‎‎variable | -0.310 | 18.50\*\*\* | 6.122 | -0.653 | 6.864 | 8.291\*\*\* | 1.851\*\*\* | -18.09 | -3.077 |
|  | (1.66) | (4.53) | (1.85) | (0.18) | (1.94) | (3.38) | (12.8) | (1.50) | (1.11) |
| N | 2863 | 2532 | 2454 | 2238 | 1626 | 2863 | 2863 | 380 | 220 |
| Sigma cons | 9.815\*\*\* | 87.84\*\*\* | 72.19\*\*\* | 71.60\*\*\* | 47.07\*\*\* | 36.53\*\*\* | 1.033\*\*\* | 67.79\*\*\* | 16.66\*\*\* |
|  | (22.11) | (116.31) | (12.56) | (11.38) | (16.06) | (13.98) | (17.48) | (10.76) | (9.95) |
| LR chi2(4) | 38.32\*\*\* | 80.40\*\*\* | 44.27\*\*\* | 29.28\*\*\* | 53.39\*\*\* | 42.97\*\*\* | 1095.14\*\*\* | 22.72\*\*\* | 12.91\* |
| Pseudo R^2 | 0.0018 | 0.0027 | 0.0016 | 0.0011 | 0.0031 | 0.0070 | 0.2033 | 0.0053 | 0.0069 |
| CM test2 | 956.57\*\*\* | 1551.4\*\*\* | 1383\*\*\* | 1338.1\*\*\* | 1228.4\*\*\* | 99.902\*\*\* | 413.96\*\*\* | 311.74\*\*\* | 200.64\*\*\* |
|  |  |  |  |  |  |  |  |  |  |
|  | France | Germany | Japan | Korea | Netherlands | Norway | Sweden | UK | USA |
| Constant | 4.977 | 2.711 | 14.91\* | -0.538 | -2.902 | -2.83\*\*\* | 5.337\*\* | 5.173 | -34.03\*\* |
|  | (1.87) | (1.21) | (2.18) | (1.49) | (1.51) | (4.56) | (2.68) | (0.89) | (2.77) |
| Total improved ‎water sources | 0.0645 | 0.170\*\*\* | 0.396\*\*\* | 0.0125\* | -0.0580\* | -0.00947 | -0.0367 | -0.0325 | 0.642\*\*\* |
|  | (1.66) | (5.14) | (4.61 | (2.37) | (2.25) | (1.16) | (1.42) | (0.38) | (5.15) |
| Government effectiveness | 4.151\*\* | 2.906\* | 10.65\* | 0.212 | 6.564\*\*\* | 0.850\*\*\* | -0.244 | 3.625 | -29.80\*\*\* |
|  | (2.8) | (2.24‎)‎ | (2.52‎)‎ | (1.24) | (5.76‎)‎ | (3.36‎)‎ | (0.38) | (1.16‎)‎ | (5.91) |
| GDP per capita | -0.0504 | -0.035 | -0.223\*\* | -0.013\*\*\* | -0.244\*\*\* | -0.047\*\*\* | -0.0441\*\* | -0.407\*\*\* | 0.091 |
|  | (1.76) | (1.11) | (3.01) | (5.35) | (6.61) | (8.75) | (2.97) | (4.24) | (1.52) |
| MDGs dummy ‎‎variable | 2.805\* | -3.972\* | -21.09\*\*\* | 1.035\*\*\* | 0.731 | 1.082\*\* | 1.23 | 4.63 | -20.00\*\* |
|  | (1.96) | (2.14) | (3.30) | (12.42) | (0.71) | (2.94) | (1.68) | (1.41) | (3.04) |
| N | 840 | 1145 | 1586 | 2863 | 2863 | 2863 | 290 | 361 | 662 |
| Sigma cons | 20.45\*\*\* | 19.75\*\*\* | 59.82\*\*\* | 6.416\*\*\* | 15.69\*\*\* | 4.109\*\*\* | 4.904\*\*\* | 20.13\*\*\* | 67.13\*\*\* |
|  | (12.5) | (17.07) | (9.04) | (272.35) | (10.04) | (125) | (7.15) | (7.5) | (176.6) |
| LR chi2(4) | 11.51\*\* | 36.53\*\*\* | 47.93\*\*\* | 21.66\*\*\* | 202.65\*\*\* | 120.46\*\*\* | 17.96\*\*\* | 42.31\*\*\* | 26.68\*\*\* |
| Pseudo R^2 | 0.0015 | 0.0036 | 0.0027 | 0.0012 | 0.0365 | 0.0297 | 0.0102 | 0.0225 | 0.0036 |
| CM test2 | 653.84\*\*\* | 834.95\*\*\* | 1189.8\*\*\* | 280.63\*\*\* | 137.75\*\*\* | 142.91\*\*\* | 248.56\*\*\* | 314.36\*\*\* | 556.44\*\*\* |
| * †Ratio of W&S aid with respect to total aid given by all donors * t-statistics are in parentheses, \*\*\* significant at 1% level, \*\* significant at 5% level, \* significant at 10% level * The LR chi2(4) – This is the Likelihood Ratio (LR) Chi-Square test that at least one of the predictors’ regression coefficient is not equal to zero in the model, the null hypothesis H0 is that all of the regression coefficients in the model are equal to zero. * 2 A conditional moment ‎(CM) ‎test for testing the null hypothesis that the disturbances in a Tobit model have a normal distribution. | | | | | | | | | |

Table 6: ‎ Tobit regression for donors’ commitment and access to improved sanitation (1995-2016)‎ with the MDGs dummy ‎‎variable

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | All donors/ratio† | All W&S donors | DAC countries | G7 | Total multilateral | EU. Ins | UN | World Bank | Denmark |
| Constant | 5.500\*\*\* | 44.32\*\*\* | 25.18\*\*\* | 21.41\*\*\* | 32.60\*\*\* | -29.11\*\*\* | -0.983\*\*\* | 82.63\*\*\* | 16.77\*\*\* |
|  | (11.69) | (8.05) | (6.04) | (4.65) | (8.41) | (7.91) | (9.24) | (6.9) | (5.05) |
| Improved sanitation | 0.0246\*\*\* | 0.109 | 0.228\*\*\* | 0.275\*\*\* | -0.0769 | -0.0966\* | -0.0116\*\*\* | 0.031 | -0.0676 |
|  | (3.81) | (1.62) | (3.74) | (4.32) | (1.73) | (2.23) | (10.23) | (0.21) | (1.47) |
| Government ‎effectiveness | 1.520\*\*\* | 17.61\*\*\* | 11.27\*\* | 8.679 | 12.04\*\*\* | 10.06\*\*\* | -0.088 | 30.33\*\*\* | -0.0447 |
|  | (5.03) | (3.67) | (2.69) | (1.71) | (5.78) | (4.79) | (1.70) | (3.76) | (0.02) |
| GDP per capita | -0.0229\*\*\* | -0.520\*\*\* | -0.335\*\*\* | -0.280\*\*\* | -0.284\*\*\* | -0.164\*\*\* | -0.0126\*\*\* | -0.640\* | -0.138\* |
|  | (3.93) | (8.51) | (6.67) | (4.68) | (6.13) | (3.81) | (7.82) | (2.03) | (2.40) |
| MDGs dummy ‎‎variable | -0.0204 | 21.04\*\*\* | 8.092\* | 1.018 | 7.983\* | 8.504\*\*\* | 1.748\*\*\* | -14.08 | -3.124 |
|  | (0.04) | (5.04) | (2.39) | (0.27) | (2.25) | (3.49) | (12.72) | (1.16) | (1.10) |
| Sigma cons | 9.008\*\*\* | 88.03\*\*\* | 72.25\*\*\* | 71.67\*\*\* | 47.27\*\*\* | 36.56\*\*\* | 1.031\*\*\* | 68.02\*\*\* | 16.61\*\*\* |
|  | (22.1) | (109.61) | (12.54) | (11.36) | (16.16) | (13.96) | (17.73) | (10.69) | (9.95) |
| N | 2860 | 2528 | 2452 | 2232 | 1624 | 2860 | 2860 | 381 | 220 |
| LR chi2(4) | 41.80\*\*\* | 75.00\*\*\* | 41.28\*\*\* | 29.13\*\*\* | 55.20\*\*\* | 48.83\*\*\* | 1101.93\*\*\* | 19.89\*\*\* | 14.23\*\*\* |
| Pseudo R^2 | 0.0020 | 0.0025 | 0.0015 | 0.0011 | 0.0032 | 0.0080 | 0.2044 | 0.0046 | 0.0076 |
| CM test2 | 960.74\*\*\* | 1552.1\*\*\* | 1384.3\*\*\* | 1330.2\*\*\* | 1216.5\*\*\* | 97.087\*\*\* | 389.47\*\*\* | 312.12\*\*\* | 198.28\*\*\* |
|  |  |  |  |  |  |  |  |  |  |
|  | France | Germany | Japan | Korea | Netherlands | Norway | Sweden | UK | USA |
| Constant | 8.383\*\*\* | 9.275\*\*\* | 37.89\*\*\* | -0.158 | -3.069\*\* | -3.616\*\*\* | 3.460\*\*\* | 4.612 | -14.53 |
|  | (5.87) | (6.36) | (6.07) | (0.71) | (2.81) | (10.65) | (4.1) | (1.83) | (1.93) |
| Improved ‎sanitation | 0.0242 | 0.142\*\*\* | 0.094 | 0.0115\* | -0.0991\*\*\* | 0.00495 | -0.0167 | -0.0565 | 0.606\*\*\* |
|  | (0.79) | (6.09) | (1.49) | (2.33) | (4.53) | (1.03) | (1.14) | (1.17) | (8.36) |
| Government effectiveness | 4.347\*\* | 4.085\*\* | 13.43\*\* | 0.252 | 6.492\*\*\* | 0.815\*\*\* | -0.424 | 3.307 | -28.04\*\*\* |
|  | (3.09) | (3.08) | (3.03) | (1.43) | (5.72) | (3.34) | (0.64) | (1.13) | (6.38) |
| GDP per capita | -0.0468 | -0.0739\* | -0.187\*\* | -0.0153\*\*\* | -0.191\*\*\* | -0.0531\*\*\* | -0.0457\*\* | -0.366\*\*\* | -0.0927 |
|  | (1.37) | (2.14) | (2.88) | (5.08) | (6.65) | (9.10) | (3.00) | (3.89) | (1.42) |
| MDGs dummy ‎‎variable | 3.100\* | -3.674\* | -17.57\*\* | 1.079\*\*\* | 0.509 | 0.987\*\* | 1.013 | 4.469 | -16.32\*\* |
|  | (2.18) | (1.98) | (2.67) | (12.62) | (0.5) | (2.72) | (1.43) | (1.43) | (2.60) |
| Sigma cons | 20.49\*\*\* | 19.61\*\*\* | 60.03\*\*\* | 6.418\*\*\* | 15.55\*\*\* | 4.105\*\*\* | 4.920\*\*\* | 20.10\*\*\* | 66.33\*\*\* |
|  | (12.47) | (17.01) | (9.02) | (263.91) | (10.19) | (114.2) | (7.08) | (7.5) | (183.7) |
| N | 837 | 1144 | 1583 | 2860 | 2860 | 2860 | 289 | 360 | 662 |
| LR chi2(4) | 10.69\*\*\* | 53.73\*\*\* | 37.91\*\*\* | 24.43\*\*\* | 225.96\*\*\* | 118.95\*\*\* | 17.00\*\* | 42.67\*\*\* | 42.55\*\*\* |
| Pseudo R^2 | 0.0014 | 0.0053 | 0.0022 | 0.0013 | 0.0407 | 0.0293 | 0.0097 | 0.0227 | 0.0057 |
| CM test2 | 658.69\*\*\* | 795.04\*\*\* | 1219.8\*\*\* | 364.67\*\*\* | 124.29\*\*\* | 134.36\*\*\* | 245.79\*\*\* | 312.9\*\*\* | 539.8\*\*\* |
| * †Ratio of W&S aid with respect to total aid given by all donors * t-statistics are in parentheses, \*\*\* significant at 1% level, \*\* significant at 5% level, \* significant at 10% level * The LR chi2(4) – This is the Likelihood Ratio (LR) Chi-Square test that at least one of the predictors’ regression coefficient is not equal to zero in the model, the null hypothesis H0 is that all of the regression coefficients in the model are equal to zero. * 2 A conditional moment (CM) test for testing the null hypothesis that the disturbances in a Tobit model have a normal distribution. | | | | | | | | | |

Table 7: Tobit Multiplicative Heteroscedasticity Regression: donors’ commitment and access to improved water resources (1995-2016)‎ with the MDGs dummy ‎‎variable

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Tobit Multiplicative Heteroscedasticity Regression: donors’ commitment and access to improved water ‎resources‎ | | | | | | | | | |
|  | All donors/ratio† | All W&S donors | DAC countries | G7 | Total multilateral | EU. Ins | UN | World Bank | Denmark |
| Constant | 2.400\*\* | 19.39\*\* | 4.633 | -6.56 | 33.10\*\*\* | -7.74 | -0.473\*\*\* | 57.71\*\*\* | 19.50\*\*\* |
|  | (3.15) | (2.68) | (0.71) | (1.94) | (6.13) | (0.92) | (3.82) | (3.34) | (3.3) |
| Total improved ‎water sources | 0.0368\*\*\* | 0.412\*\*\* | 0.436\*\*\* | 0.484\*\*\* | -0.0425 | -0.348\*\* | -0.0135\*\*\* | 0.44 | -0.0629 |
|  | (3.86) | (4.46) | (4.59) | (8.84) | (0.68) | (2.93) | (8.21) | (1.75) | (0.86) |
| Government ‎‎effectiveness | 1.425\*\*\* | 13.78\*\*\* | 8.876\* | 4.278 | 13.70\*\*\* | 8.898\*\*\* | -0.02 | 26.97\*\*\* | 0.891 |
|  | (4.02) | (3.42) | (2.29) | (1.75 | (5.26) | (4.39) | (0.45) | (3.64) | (0.44) |
| GDP per capita | -0.0361\*\*\* | -0.531\*\*\* | -0.330\*\*\* | -0.181\*\*\* | -0.277\*\*\* | -0.173\*\*\* | -0.0141\*\*\* | -0.919\*\* | -0.181\*\* |
|  | (6.00) | (8.53) | (6.24) | (3.48) | (6.23) | (4.26) | (7.81) | (2.96) | (3.26) |
| MDGs dummy ‎‎variable | 1.567\*\* | 17.75\*\*\* | 5.974 | 2.408 | 7.405\* | 8.352\*\*\* | 1.772\*\*\* | -18.11 | -3.077 |
|  | (3.24) | (4.84) | (1.82) | (1.07) | (2.16) | (3.46) | (11.14) | (1.51) | (1.11) |
| Sigma cons | 12.74\*\*\* | 66.96\*\*\* | -70.24\*\*\* | 7.708\* | -53.94\*\*\* | 23.23\*\*\* | 1.643\*\*\* | 59.60\*\*\* | -16.66\*\*\* |
|  | (12.32) | (7.7) | (12.93) | (2.54) | (11.04) | 3.83 | (5.57) | (3.45) | (9.95) |
| N | 2863 | 2532 | 2454 | 2238 | 1626 | 2863 | 2863 | 380 | 220 |
| Wald chi2(4) | 57.35\*\*\* | 91.62\*\*\* | 58.93\*\*\* | 117.83\*\*\* | 76.95\*\*\* | 41.78\*\*\* | 173.55\*\*\* | 27.53\*\*\* | 26.05\*\*\* |
|  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |
|  | France | Germany | Japan | Korea | Netherlands | Norway | Sweden | UK | USA |
| Constant | 4.81 | 2.705 | 14.91\* | -46.01\*\*\* | -2.902 | -2.832\*\*\* | 5.337\*\* | 4.028 | -42.05 |
|  | (1.77) | (1.21) | (2.18) | (9.08) | (1.51) | (3.53) | (2.68) | (1.45) | (1.43) |
| Total improved ‎water sources | 0.0677 | 0.171\*\*\* | 0.396\*\*\* | 0.109 | -0.0580\* | -0.00948 | -0.0367 | 0.0271 | 0.768\* |
|  | (1.69) | (5.17) | (4.61) | (1.81) | (2.25) | (1.13) | (1.42) | (0.75) | (2.45) |
| Government effectiveness | 4.238\*\* | 3.139\* | 10.65\* | 0.991 | 6.564\*\*\* | 0.851\* | -0.244 | 1.277 | -29.70\* |
|  | (2.8) | (2.29) | (2.52) | (0.59) | (5.76) | (2.42) | (0.38) | (0.94) | (2.05) |
| GDP per capita | -0.0521 | -0.0377 | -0.223\*\* | -0.214\*\*\* | -0.244\*\*\* | -0.0470\*\*\* | -0.0441\*\* | -0.0888\*\*\* | 0.00334 |
|  | (1.79) | (1.18) | (3.01) | (4.08) | (6.61) | (4.15) | (2.97) | (4.17) | (0.05) |
| MDGs dummy ‎‎variable | 2.889\* | -3.762\* | -21.09\*\*\* | 1.547\*\*\* | 0.731 | 1.083\* | 1.231 | 2.890\* | -19.39\*\* |
|  | (1.99) | (1.98) | (3.30) | (4.90) | (0.71) | (2.48) | (1.68) | (1.97) | (2.89) |
| Sigma cons | -20.86\*\*\* | -20.84\*\*\* | -59.82\*\*\* | 6.9311\*\*\* | -15.69\*\*\* | -4.111\*\*\* | -4.909\*\*\* | 8.499\*\*\* | 41.19\*\*\* |
|  | (11.58) | (11.63) | (9.04) | (8.97) | (10.04) | (5.48) | (7.18) | (4.35) | (4.73) |
| N | 840 | 1145 | 1586 | 2863 | 2863 | 2863 | 290 | 361 | 662 |
| Wald chi2(4) | 10.40\*\*\* | 44.81\*\*\* | 55.73\*\*\* | 73.75\*\*\* | 67.51\*\*\* | 22.14\*\*\* | 19.97\*\*\* | 27.70\*\*\* | 17.06\*\*\* |
|  |  |  |  |  |  |  |  |  |  |
| * †Ratio of W&S aid with respect to total aid given by all donors * t-statistics are in parentheses, \*\*\* significant at 1% level, \*\* significant at 5% level, \* significant at 10% level | | | | | | | | | |

Table 8: Tobit Multiplicative Heteroscedasticity Regression: donors’ commitment for the improved sanitation (1995-2016)‎ with the MDGs dummy ‎‎variable ‎

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| ‎Tobit Multiplicative Heteroscedasticity Regression: donors’ commitment for the improved sanitation ‎ | | | | | | | | | |
|  | All donors/ratio† | All W&S donors | DAC countries | G7 | Total multilateral | Eu. Ins | UN | World Bank | Denmark |
| Constant | 4.637\*\*\* | 42.93\*\*\* | 24.22\*\*\* | 20.31\*\*\* | 32.87\*\*\* | -18.88\*\*\* | -0.902\*\*\* | 82.94\*\*\* | 16.59\*\*\* |
|  | (8.88) | (7.84) | (6.12) | (4.62) | (8.88) | (3.57) | (4.61) | (7.24) | (5.28) |
| Improved ‎sanitation | 0.0198\*\* | 0.124 | 0.240\*\*\* | 0.297\*\*\* | -0.106\* | -0.301\*\* | -0.0115\*\*\* | 0.0373 | -0.0637 |
|  | (2.69) | (1.78) | (4.16) | (4.74) | (2.05) | (2.81) | (10.02) | (0.24) | (1.37) |
| Government  ‎‎effectiveness | 1.657\*\*\* | 16.77\*\*\* | 10.70\*\* | 8.484 | 10.51\*\*\* | 9.943\*\*\* | -0.0866 | 30.77\*\*\* | 0.0864 |
|  | (4.8) | (4.14) | (2.9) | (1.88) | (5.14) | (4.88) | (1.67) | (3.72) | (0.05) |
| GDP per capita | -0.0368\*\*\* | -0.505\*\*\* | -0.323\*\*\* | -0.279\*\*\* | -0.252\*\*\* | -0.169\*\*\* | -0.0126\*\*\* | -0.678\* | -0.136\* |
|  | (5.08) | (8.96) | (6.51) | (4.79) | (5.13) | (3.75) | (7.81) | (2.01) | (2.54) |
| MDGs dummy ‎‎  variable | 1.217\* | 20.58\*\*\* | 7.650\* | 0.664 | 7.663\* | 8.836\*\*\* | 1.662\*\*\* | -13.88 | -3.129 |
|  | (2.22) | (5.51) | (2.42) | (0.19) | (2.48) | (3.7) | (7.84) | (1.11) | (1.09) |
| Sigma cons | -9.834\*\*\* | 67.83\*\*\* | 52.74\*\*\* | 52.65\*\*\* | 63.40\*\*\* | 28.31\*\*\* | 0.0538 | 0.107 | -0.214 |
|  | (22.14) | (7.65) | (9.89) | (9.39) | (8.16) | (7.23) | (0.49) | (0.35) | (0.93) |
| N | 2860 | 2528 | 2452 | 2232 | 1624 | 2860 | 2860 | 381 | 220 |
| Wald chi2(4) | 36.92\*\*\* | 97.68\*\*\* | 51.70\*\*\* | 43.29\*\*\* | 77.19\*\*\* | 35.73\*\*\* | 240.74\*\*\* | 26.51\*\*\* | 27.87\*\*\* |
|  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |
|  | France | Germany | Japan | Korea | Netherlands | Norway | Sweden | UK | USA |
| Constant | 8.434\*\*\* | 9.098\*\*\* | 34.48\*\*\* | -61.40\*\*\* | -0.273 | -6.510\*\*\* | 3.326\*\*\* | 6.635\*\*\* | -15.28 |
|  | (6.29) | (5.65) | (3.78) | (22.39) | (0.31) | (3.57) | (3.73) | (3.86) | (1.12) |
| Improved ssanitation | 0.0252 | 0.147\*\*\* | 0.131 | 0.109\*\* | -0.0839\*\*\* | 0.00455 | -0.0186 | -0.0292 | 0.655\*\*\* |
|  | (0.9) | (6.04) | (1.24) | (2.95) | (4.31) | (1.07) | (1.38) | (1.23) | (3.83) |
| Government  ‎effectiveness | 4.157\*\*\* | 4.162\*\* | 15.00\*\*\* | 1.391 | 4.515\*\*\* | 0.756\* | -0.853 | 1.235 | -26.92\* |
|  | (3.33) | (3.21) | (3.78) | (0.79) | (3.55) | (2.03) | (1.28) | (0.93) | (2.16) |
| GDP per capita | -0.0492 | -0.0740\* | -0.217\*\* | -0.249\*\*\* | -0.159\*\*\* | -0.0473\*\*\* | -0.0361\*\* | -0.0589\*\*\* | -0.174\*\* |
|  | (1.67) | (2.17) | (2.99) | (4.44) | (5.86) | (3.40) | (3.27) | (3.68) | (2.78) |
| MDGs dummy  ‎‎variable | 3.042\* | -3.583\* | -14.32\* | 0.347\*\*\* | -6.726\* | 0.440\* | 0.852 | 3.009\* | -15.50\* |
|  | (2.24) | (2.06) | (2.09) | (12.21) | (2.52) | (2.28) | (1.43) | (2.03) | (2.44) |
| Sigma cons | 12.63\*\*\* | 19.21\*\*\* | 47.38\*\* | 10.11\*\*\* | 10.64\*\*\* | 6.281\*\*\* | 3.993\*\*\* | 8.643\*\*\* | 39.63\*\*\* |
|  | (7.64) | (6.73) | (2.77) | (584.14) | (6.79) | (4.38) | (6.03) | (4.45) | (4.68) |
| N | 837 | 1144 | 1583 | 2860 | 2860 | 2860 | 289 | 360 | 662 |
| Wald chi2(4) | 12.69\*\*\* | 57.42\*\*\* | 51.09\*\*\* | 227.90\*\*\* | 79.62\*\*\* | 28.21\*\*\* | 22.84\*\*\* | 28.25\*\*\* | 33.52\*\*\* |
|  |  |  |  |  |  |  |  |  |  |
| * †Ratio of W&S aid with respect to total aid given by all donors * t-statistics are in parentheses, \*\*\* significant at 1% level, \*\* significant at 5% level, \* significant at 10% level | | | | | | | | | |

Table 9: Random effects regression for donors’ commitment and access to improved water resources (1995-2016)‎ with the MDGs dummy ‎‎variable

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Random effects regression for donors’ commitment and access to improved water resources ‎ | | | | | | | | | |
|  | All donors/ratio† | All W&S donors | DAC countries | G7 | Total multilateral | EU ins | UN | World Bank | Denmark |
| Constant | 3.215\* | -44.79\* | -16.94 | -12.16 | 1.455 | 1.321 | -0.266\* | 31.37 | 19.50\*\* |
|  | (2.44) | (2.56) | (1.23) | (0.84) | (0.15) | (0.82) | (1.98) | (1.33) | (2.83) |
| Total improved ‎water sources | 0.0422\* | 1.085\*\*\* | 0.621\*\*\* | 0.545\*\* | 0.267\* | 0.00176 | 0.00484\*\* | 0.424 | -0.0629 |
|  | (2.44) | (4.75) | (3.38) | (2.8) | (2.08) | (0.08) | (2.77) | (1.28) | (0.67) |
| Government ‎  ‎‎effectiveness | 0.666 | -1.38 | 0.705 | -0.702 | 2.544 | 0.503 | -0.0527\* | 11 | 0.891 |
|  | (1.67) | (0.36) | (0.2) | (0.18) | (0.89) | (1.05) | (2.12) | (1.22) | (0.32) |
| GDP per capita | -0.00906 | -0.348\*\* | -0.255\*\* | -0.223\* | -0.234\*\* | -0.00807 | -0.0036\*\*\* | -0.479 | -0.181\* |
|  | (1.07) | (3.18) | (2.76) | (2.16) | (3.27) | (0.79) | (5.11) | (1.19) | (2.33) |
| MDGs dummy ‎‎variable | -0.618 | 11.99\*\* | 4.32 | -1.277 | 4.807 | 2.026\*\*\* | 0.256\*\*\* | -13.23 | -3.077 |
|  | (1.49) | (3.12) | (1.27) | (0.34) | (1.42) | (4.08) | (10.35) | (1.13) | (1.11) |
| Sigma\_u | 2.867\*\*\* | 57.83\*\*\* | 41.58\*\*\* | 41.11\*\*\* | 22.75\*\*\* | 3.579\*\*\* | 0.427\*\*\* | 32.74\*\*\* | 1.67E-16 |
|  | (11.39) | (15.06) | (14.92) | (14.68) | (13.18) | (11.9) | (14.03) | (8.17) | (0.00) |
| Sigma\_e | 8.535\*\*\* | 65.94\*\*\* | 58.22\*\*\* | 58.20\*\*\* | 39.85\*\*\* | 10.20\*\*\* | 0.475\*\*\* | 56.00\*\*\* | 16.66\*\*\* |
|  | (73.74) | (69.1) | (68.1) | (64.88) | (54.91) | (73.81) | (73.34) | (25.59) | (20.98) |
|  |  |  |  |  |  |  |  |  |  |
| N | 2863 | 2532 | 2454 | 2238 | 1626 | 2863 | 2863 | 380 | 220 |
| LR test (chibar2) | 132.84\*\*\* | 1078.56\*\*\* | 741.54\*\*\* | 629.89\*\*\* | 336.34\*\*\* | 158.07\*\*\* | 1038.01\*\*\* | 76.64\*\*\* | 0 |
|  |  |  |  |  |  |  |  |  |  |
|  | France | Germany | Japan | Korea | Netherlands | Norway | Sweden | UK | USA |
| Constant | 4.421 | -1.207 | 4.695 | -1.659 | 1.206 | 0.469\* | 5.065\*\* | 7.013 | -7.704 |
|  | (0.88) | (0.25) | (0.33) | (1.87) | (1.3) | (2.51) | (2.71) | (1.73) | (0.32) |
| Total improved ‎water sources | 0.0478 | 0.164\* | 0.469\* | 0.0267\* | 0.000716 | -0.00123 | -0.0328 | -0.0295 | 0.289 |
|  | (0.71) | (2.41) | (2.49) | (2.31) | (0.06) | (0.51) | (1.23) | (0.53) | (1.00) |
| Government ‎  ‎‎effectiveness | 3.504 | -0.113 | 6.494 | 0.0528 | 0.082 | 0.0924 | -0.205 | 0.363 | -15.49\* |
|  | (1.91) | (0.06) | (1.41) | (0.19) | (0.36) | (1.54) | (0.26) | (0.21) | (2.16) |
| GDP per capita | -0.0382 | 0.0113 | -0.295\*\* | -0.0119\* | -0.0146\* | -0.00297\* | -0.0424 | -0.0674 | -0.00383 |
|  | (1.04) | (0.26) | (3.10) | (2.17) | (2.54) | (2.51) | (1.85) | (1.91) | (0.02) |
| MDGs dummy ‎‎variable | 3.588\* | -3.897\* | -17.00\*\* | 0.00907\*\* | 0.351 | -0.0513 | 1.096 | 2.437 | -13.17 |
|  | (1.96) | (2.19) | (3.20) | (3.03) | (1.53) | (0.80) | (1.61) | (1.37) | (1.37) |
| Sigma\_u | 7.238\*\*\* | 9.091\*\*\* | 29.75\*\*\* | 1.647\*\*\* | 2.591\*\*\* | 0.361\*\*\* | 1.261\*\* | 3.623\*\*\* | 34.96\*\*\* |
|  | (7.3) | (10.63) | (13.09) | (9.56) | (14.41) | (9.97) | (2.65) | (4.48) | (10.54) |
| Sigma\_e | 19.53\*\*\* | 18.41\*\*\* | 50.80\*\*\* | 6.224\*\*\* | 4.587\*\*\* | 1.342\*\*\* | 4.743\*\*\* | 12.87\*\*\* | 55.85\*\*\* |
|  | (38.75) | (46) | (54.09) | (73.73) | (73.8) | (73.83) | (21.98) | (25.72) | (34.22) |
|  |  |  |  |  |  |  |  |  |  |
| N | 840 | 1145 | 1586 | 2863 | 2863 | 2863 | 290 | 361 | 662 |
| LR test (chibar2) | 36.29\*\*\* | 156.59\*\*\* | 310.05\*\*\* | 67.59\*\*\* | 507.07\*\*\* | 74.38\*\*\* | 2.61 | 10.14\*\* | 126.68\*\*\* |
|  |  |  |  |  |  |  |  |  |  |
| * †Ratio of W&S aid with respect to total aid given by all donors * t-statistics are in parentheses, \*\*\* significant at 1% level, \*\* significant at 5% level, \* significant at 10% level | | | | | | | | | |

Table 10: Random effects Regression for donors’ commitment and the improved sanitation (1995-2016)‎ with the MDGs dummy ‎‎variable ‎

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Random effects Regression for donors’ commitment and the improved sanitation ‎ | | | | | | | | | |
|  | All donors/ratio† | All W&S donors | DAC countries | G7 | Total multilateral | EU ins | UN | World Bank | Denmark |
| Constant | 5.047\*\*\* | 13.16 | 10.98 | 10.64 | 20.85\*\*\* | 2.143\* | 0.172\* | 55.96\*\*\* | 16.77\*\*\* |
|  | (7.16) | (1.25) | (1.36) | (1.29) | (3.81) | (2.47) | (2.45) | (3.99) | (5.89) |
| Improved ‎Sanitation | 0.0248\* | 0.387\* | 0.335\* | 0.335\* | -0.0274 | -0.015 | -0.00193 | 0.0189 | -0.0676 |
|  | (2.2) | (2.24) | (2.47) | (2.38) | (0.31) | (1.07) | (1.70) | (0.08) | (1.33) |
| Government ‎  ‎‎effectiveness | 0.793\* | -0.878 | 1.06 | -0.749 | 3.804 | 0.617 | -0.0474 | 12.79 | -0.0447 |
|  | (1.99) | (0.22) | (0.31) | (0.19) | (1.33) | (1.3) | (1.91) | (1.42) | (0.02) |
| GDP per capita | -0.011 | -0.301\*\* | -0.261\*\* | -0.236\* | -0.167\* | -0.00271 | -0.0025\*\*\* | -0.233 | -0.138 |
|  | (1.24) | (2.65) | (2.68) | (2.13) | (2.15) | (0.25) | (3.66) | (0.53) | (1.62) |
| MDGs dummy ‎‎variable | -0.398 | 16.44\*\*\* | 6.464 | 0.287 | 6.817\* | 2.130\*\*\* | 0.289\*\*\* | -9.909 | -3.124 |
|  | (0.97) | (4.37) | (1.94) | (0.08) | (2.03) | (4.35) | (12.09) | (0.86) | (1.16) |
| Sigma\_u | 2.792\*\*\* | 57.03\*\*\* | 41.52\*\*\* | 41.14\*\*\* | 22.43\*\*\* | 3.563\*\*\* | 0.383\*\*\* | 32.62\*\*\* | 1.37E-16 |
|  | (11.09) | (15.15) | (14.92) | (14.62) | (13.31) | (11.86) | (15.08) | (8.25) | (0) |
| Sigma\_e | 8.578\*\*\* | 66.35\*\*\* | 58.29\*\*\* | 58.29\*\*\* | 40.15\*\*\* | 10.21\*\*\* | 0.478\*\*\* | 56.15\*\*\* | 16.61\*\*\* |
|  | (73.67) | (69.06) | (68.06) | (64.8) | (54.96) | (73.76) | (73.67) | (25.68) | (20.98) |
|  |  |  |  |  |  |  |  |  |  |
| N | 2860 | 2528 | 2452 | 2232 | 1624 | 2860 | 2860 | 381 | 220 |
|  |  |  |  |  |  |  |  |  |  |
| LR test (chibar2) | 119.13\*\*\* | 1060.97\*\*\* | 738.74\*\*\* | 626.62\*\*\* | 329.52\*\*\* | 155.29\*\*\* | 1018.57\*\*\* | 77.97\*\*\* | 0 |
|  |  |  |  |  |  |  |  |  |  |
|  | France | Germany | Japan | Korea | Netherlands | Norway | Sweden | UK | USA |
| Constant | 19.56\*\*\* | 18.43\*\*\* | 50.78\*\*\* | -0.557 | 2.080\*\*\* | 0.401\*\*\* | 3.651\*\*\* | 6.502\*\* | -0.584 |
|  | (38.67) | (45.94) | (54.03) | (1.19) | (4.05) | (3.97) | (4.18) | (3.2) | (0.04) |
| Improved ‎Sanitation | 0.00629 | 0.123\*\* | 0.243\* | 0.0174\* | -0.0177\* | -0.000424 | -0.0213 | -0.0436 | 0.34 |
|  | (0.15) | (2.78) | (1.97) | (2.36) | (2.10) | (0.27) | (1.36) | (1.15) | (1.8) |
| Government ‎  ‎‎effectiveness | 3.653\* | 0.413 | 7.254 | 0.125 | 0.121 | 0.0865 | -0.36 | 0.155 | -16.24\* |
|  | (1.98) | (0.23) | (1.56) | (0.46) | (0.53) | (1.46) | (0.45) | (0.09) | (2.30) |
| GDP per capita | -0.0305 | -0.0108 | -0.303\*\* | -0.0140\* | -0.00861 | -0.00295\* | -0.0391 | -0.0501 | -0.0993 |
|  | (0.79) | (0.24) | (2.95) | (2.45) | (1.47) | (2.35) | (1.65) | (1.30) | (0.56) |
|  |  |  |  |  |  |  |  |  |  |
| MDGs dummy ‎‎variable | 3.947\* | -3.492\* | -14.19\*\* | 0.0101\*\*\* | 0.417 | -0.006 | 0.929 | 2.377 | -13.88 |
|  | (2.18) | (2.00) | (2.75) | (3.4) | (1.85) | (0.94) | (1.4) | (1.35) | (1.44) |
|  |  |  |  |  |  |  |  |  |  |
| Sigma\_u | 7.287\*\*\* | 8.920\*\*\* | 30.32\*\*\* | 1.616\*\*\* | 2.555\*\*\* | 0.361\*\*\* | 1.367\*\* | 3.578\*\*\* | 34.07\*\*\* |
|  | (7.33) | (10.39) | (13.04) | (9.5) | (14.34) | (9.96) | (3.1) | (4.43) | (10.3) |
| Sigma\_e | 19.56\*\*\* | 18.43\*\*\* | 50.78\*\*\* | 6.231\*\*\* | 4.589\*\*\* | 1.343\*\*\* | 4.728\*\*\* | 12.88\*\*\* | 55.90\*\*\* |
|  | (38.67) | (45.94) | (54.03) | (73.72) | (73.76) | (73.79) | (22.09) | (25.7) | (34.2) |
|  |  |  |  |  |  |  |  |  |  |
| N | 837 | 1144 | 1583 | 2860 | 2860 | 2860 | 289 | 360 | 662 |
|  |  |  |  |  |  |  |  |  |  |
| LR test (chibar2) | 36.57\*\*\* | 141.81\*\*\* | 318.30\*\*\* | 64.87\*\*\* | 489.35\*\*\* | 74.26\*\*\* | 3.96\* | 9.88\*\*\* | 112.96\*\*\* |
|  |  |  |  |  |  |  |  |  |  |
| * †Ratio of W&S aid with respect to total aid given by all donors * t-statistics are in parentheses, \*\*\* significant at 1% level, \*\* significant at 5% level, \* significant at 10% level | | | | | | | | | |

[Table 11](file:///C:\Users\Dome\Downloads\Presentation1.pptx): Regression of all donors` commitment with the MDGs dummy ‎‎variable, the time trend, and the interaction term.

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
|  | Column 1  (Tobit) | Column 2  (TMH) | Column 3  (RE model) | Column 4  (RE model) | Colum 5  (RE model) |
|  | All W&S ‎donors  commitments | All W&S ‎donors  commitments | All W&S ‎donors  commitments | All W&S ‎donors  commitments | All W&S ‎donors  commitments |
| Constant | 23.96\*\*\* | 19.39\*\* | -44.79\* | -3758.6\*\*\* | 4370.8 |
|  | (3.78) | (2.68) | (2.56) | (6.63) | (1.08) |
| Total water improved | 0.356\*\*\* | 0.412\*\*\* | 1.085\*\*\* | 0.606\*\* | 0.619\*\* |
|  | (4.33) | (4.46) | (4.75) | (2.58) | (2.64) |
| Government effectiveness | 14.89\*\* | 13.78\*\*\* | -1.38 | 3.558 | 3.249 |
|  | (3.2) | (3.42) | (0.36) | (0.92) | (0.83) |
| GDP per capita | -0.538\*\*\* | -0.531\*\*\* | -0.348\*\* | -0.488\*\*\* | -0.494\*\*\* |
|  | (7.69) | (8.53) | (3.18) | (4.44) | (4.49) |
| MDGs dummy ‎‎variable | 18.50\*\*\* | 17.75\*\*\* | 11.99\*\* |  | -8.775\* |
|  | (4.53) | (4.84) | (3.12) |  | (2.14) |
| Time trend |  |  |  | 1.879\*\*\* | -2.191 |
|  |  |  |  | (6.53) | (1.08) |
| Interaction |  |  |  |  | 4.391\* |
|  |  |  |  |  | (2.14) |
| N | 2532 | 2532 | 2532 | 2532 | 2532 |
| Sig constant | 87.84\*\*\* | 66.96\*\*\* |  |  |  |
|  | (116.31) | (7.7) |  |  |  |
| Sigma\_u |  |  | 57.83\*\*\* | 56.23\*\*\* | 56.26\*\*\* |
|  |  |  | (15.06) | (15.43) | (15.43) |
| Sigma\_e |  |  | 65.94\*\*\* | 65.60\*\*\* | 65.52\*\*\* |
|  |  |  | (69.1) | (69.21) | (69.21) |
|  |  |  |  |  |  |
|  | All W&S ‎donors  commitments | All W&S ‎donors  commitments | All W&S ‎donors  commitments | All W&S ‎donors  commitments | All W&S ‎donors  commitments |
| Constant | 44.32\*\*\* | 42.93\*\*\* | 13.16 | -4299.5\*\*\* | 3982.6 |
|  | (8.05) | (7.84) | (1.25) | (8.09) | (0.97) |
| Improved ‎Sanitation | 0.109 | 0.124 | 0.387\* | 0.166 | 0.18 |
|  | (1.62) | (1.78) | (2.24) | (0.97) | (1.06) |
| Government effectiveness | 17.61\*\*\* | 16.77\*\*\* | -0.878 | 4.582 | 4.319 |
|  | (3.67) | (4.14) | (0.22) | (1.18) | (1.1) |
| GDP per capita | -0.520\*\*\* | -0.505\*\*\* | -0.301\*\* | -0.458\*\*\* | -0.466\*\*\* |
|  | (8.51) | (8.96) | (2.65) | (4.01) | (4.08) |
| MDGs dummy ‎‎variable | 21.04\*\*\* | 20.58\*\*\* | 16.44\*\*\* |  | -8.890\* |
|  | (5.04) | (5.51) | (4.37) |  | (2.14) |
| Time trend |  |  |  | 2.167\*\*\* | -1.979 |
|  |  |  |  | (8.11) | (0.97) |
| Interaction |  |  |  |  | 4.449\* |
|  |  |  |  |  | (2.14) |
| N | 2528 | 2528 | 2528 | 2528 | 2528 |
| Sig constant | 88.03\*\*\* | 67.83\*\*\* |  |  |  |
|  | (109.61) | (7.65) |  |  |  |
| Sigma\_u |  |  | 57.03\*\*\* | 55.94\*\*\* | 55.96\*\*\* |
|  |  |  | (15.15) | (15.49) | (15.49) |
| Sigma\_e |  |  | 66.35\*\*\* | 65.79\*\*\* | 65.71\*\*\* |
|  |  |  | (69.06) | (69.16) | (69.16) |
| * †Ratio of W&S aid with respect to total aid given by all donors * t-statistics are in parentheses, \*\*\* significant at 1% level, \*\* significant at 5% level, \* significant at 10% level * Interaction term is calculated by using MDGs dummy ‎‎variable x Time trend | | | | | |

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