

Log_Transform_Mortality_Models

Log transform GDP and use the transformed GDP as one of the predictors

Model Formula: $\text{MatMor} \sim \text{Conflict} + \log\text{GDP} + \text{OECD} + \text{popdens} + \text{urban} + \text{agedep} + \text{male_edu} + \text{temp} + \text{rainfall1000} + \text{earthquake} + \text{drought}$

Coefficients:

Conflict	logGDP	OECD	popdens	urban	agedep
34.40602	-27.55558	28.41152	-0.41704	-8.29340	-0.61127
male_edu	temp	rainfall1000	earthquake	drought	
-60.66638	10.53928	-4.62895	0.25778	-1.95237	

```
final_output <- htmlreg(  
  list(matmormod_logGDP, un5mormod_logGDP, infmormod_logGDP, neomormod_logGDP),  
  custom.coef.map = label,  
  custom.model.names = c(  
    "Maternal Mortality <br> ratio per 100,000 <br> live births",  
    "Under-5 Mortality <br> ratio per 100,000 <br> live births",  
    "Infant Mortality <br> ratio per 100,000 <br> live births",  
    "Neonatal Mortality <br> ratio per 100,000 <br> live births"  
  ),  
  ci.force = TRUE,  
  caption = "Regression Results for Mortality Ratios",  
  caption.above = TRUE,  
  digits = 2,  
)  
  
HTML(final_output)
```

Table 1: Regression Results for Mortality Ratios

	Maternal Mortality ratio per 100,000 live births	Under-5 Mortality ratio per 100,000 live births	Infant Mortality ratio per 100,000 live births	Neonatal Mortality ratio per 100,000 live births
Logarithm of GDP per capita	-27.56*	-8.69*	-6.12*	-3.16*
	[-36.85; -18.26]	[-10.13; -7.25]	[-6.85; -5.38]	[-3.45; -2.87]
OECD member	28.41	6.72*	3.26*	1.24*
	[-2.25; 59.07]	[2.25; 11.18]	[0.99; 5.54]	[0.35; 2.12]
Population density	-0.42	-0.35*	-0.18*	-0.05*
	[-1.16; 0.33]	[-0.46; -0.23]	[-0.24; -0.13]	[-0.08; -0.03]
Urban residence	-8.29*	-1.74*	-1.01*	-0.39*
	[-10.23; -6.36]	[-2.03; -1.44]	[-1.16; -0.86]	[-0.44; -0.33]
Age dependency ratio	-0.61	-0.06	0.04	0.04*
	[-1.27; 0.05]	[-0.15; 0.04]	[-0.00; 0.09]	[0.03; 0.06]
Male education	-60.67*	-8.97*	-4.79*	-1.30*
	[-72.34; -48.99]	[-10.64; -7.30]	[-5.64; -3.94]	[-1.64; -0.97]
Temperature	10.54*	2.44*	1.16*	0.31*
	[4.30; 16.78]	[1.43; 3.45]	[0.65; 1.68]	[0.11; 0.51]
Rainfall	-4.63	-0.04	0.02	-0.12
	[-16.68; 7.42]	[-1.95; 1.87]	[-0.95; 0.99]	[-0.50; 0.26]
Earthquakes	0.26	0.42	0.29	0.20*
	[-4.82; 5.34]	[-0.36; 1.20]	[-0.11; 0.69]	[0.05; 0.36]
Droughts	-1.95	0.80	0.70*	0.46*
	[-9.80; 5.90]	[-0.42; 2.03]	[0.08; 1.33]	[0.21; 0.70]
R ²	0.10	0.15	0.21	0.24
Adj. R ²	0.03	0.10	0.16	0.19
Num. obs.	3223	3618	3618	3618

* Null hypothesis value outside the confidence interval.