LOG PER-CAPITA GDP PREDICTS RAPE RATES EXPLAINING 40 PERCENT OF VARIATION

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1. Results

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> smrob<-lm( robs$Rape ~ robs$LogGDP)
> summary(smrob)

Call:
lm(formula = robs$Rape ~ robs$LogGDP)

Residuals:
    Min      1Q  Median      3Q     Max
-22.596 -11.993  -3.314   5.953  51.424

Coefficients:
            Estimate Std. Error t value Pr(>|t|)
(Intercept)  -75.386     23.432  -3.217 0.003259 **
robs$LogGDP   22.971      5.683   4.042 0.000375 ***
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Signif. codes:  0 '***' 0.001 '**' 0.01 '*' 0.05 '.' 0.1 ' ' 1

Residual standard error: 17.85 on 28 degrees of freedom
Multiple R-squared:  0.3685,Adjusted R-squared:  0.346
F-statistic: 16.34 on 1 and 28 DF,  p-value: 0.0003751
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2. DATA

Country	SingleMother	LogGDP	Group	Robbery	Rape	Murder	N
Germany	20	4.7	w	58.19	50	1	-1
UK	28	4.6	w	101.57	26.96	1.2	0.
Italy	9	4.5	w	105.99	74.5	0.9	2.
Switzerland	11	4.9	w	39.41	35	0.6	3.
France	21	4.6	w	195.1	20.12	1.6	2.
Portugal	14	4.3	w	160	3.62	1.4	1.
Belgium	22	4.7	w	205.12	25.36	1	-0
United States	24	4.8	w	109.07	38.55	5	-1
Chzechia	19	4.4	w	20	6	1.3	1.
China	7	4	a	3	2.4	1.2	-3
Ukraine	28	3.5	w	51	4	6.2	1.
India	8	3.3	a	2.85	6	2.8	0.
Poland	15	4.2	w	46	9	0.7	0.
Turkey	5	3.9	a	33	30	3.1	1.
Slovakia	14	4.3	w	22	3	1.2	-0
Canada	17	4.7	w	65.87	84	1.8	-0
Ireland	22	4.9	w	60.8	54	0.9	0.
Thailand	15	3.9	a	2	2.5	8	-1
Kazakhstan	19	3.9	a	83	10.24	8.6	
Netherlands	12	4.7	w	79.24	9.98	0.8	
Kyrgyzstan	14	3.1	a	28	5.5	4.4	
Mongolia	20	3.6	a	20	12.5	11	
Romania	7	4.1	w	17	5	2	
Pakistan	16	3.1	a	12	1.9	6.8	
Armenia	12	3.6	a	10	2.5	1.6	
Cyprus	10	4.4	a	9	9	1.3	
Jordan	5	3.6	a	6	4	1.5	
Moldova	20	3.6	w	4	12	3.8	
Tajikistan	12	2.9	a	3.3	2.2	1.7	
Azerbaijan	14	3.7	a	2.5	2.5	4	

3. Position of No Theory

I was not following any theory for this result, and it's power is strong and a serendipitous discovery. There are too many ideologies developed since the European Renaissance for me to provide a theory for this. I present it as a triumph of empirical discovery without theory. Caution is justified for theory here since I have been in passionate debates from radical socialism to racist right, from ardent devotees of capitalism to hard-core anti-colonial rebels from East. It is best to take a step back from all this chaos and reflect on the result and understand it.