The Preston Curve Revisited

Joachim Gassen

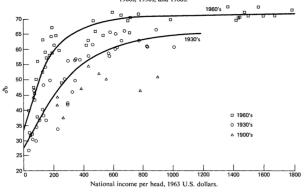
TRR 266 Accounting for Transparency

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The Preston Curve

Scatter-diagram of relations between life expectancy at birth (e_0^6) and national income per head for nations in the 1900s, 1930s, and 1960s.



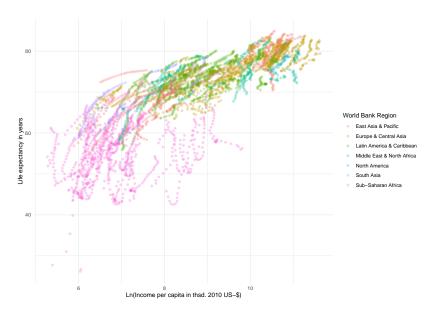
Preston (1975, p. 235)

Data

	N	Mean	Std. dev.	Min.	25 %	Median	75 %	Max.
Access Electricity	4,215	77.611	31.483	0.010	57.369	98.251	100.000	100.000
National Income per Capita	4,215	13,588.712	18,287.616	194.873	1,438.064	4,855.262	19,394.754	111,968.349
Unemployment (in %)	4,215	7.800	5.772	0.110	3.710	6.250	10.295	36.030
Life Expectancy (in years)	4,215	69.420	9.517	26.172	63.843	71.781	76.514	84.934

Note: The data is obtained from the World Bank. The sample covers 181 countries and the period 1991 to 2018. National Income per captia values are in constant 2010 thousand U.S. dollars.

Life Expectancy by National Income



No presentation without correlation table...

Table 1: Correlations

	Α	В	С	D
A: accesselectricity B: Unemployment (in %) C: Life Expectancy (in years) D: In(National Income per Capita)	0.20	0.15	0.86	0.77
	0.85	0.10	0.02	0.09
	0.87	0.17	0.86	0.80

This table reports Pearson correlations above and Spearman correlations below the diagonal. Number of observations: 4215. Correlations with significance levels below 5% appear in bold print.

... and regression table

	Dependent variable:					
	Life Expectancy (in years)					
	(1)	(2)	(3)	(4)		
In(National Income per Capita)	5.041***	2.066***	2.161***	1.791**		
	(0.058)	(0.067)	(0.063)	(0.697)		
unemployment		-0.178***	-0.173***	0.033		
, ,		(0.011)	(0.017)	(0.030)		
accesselectricity		0.190***	0.183***	0.080***		
		(0.003)	(0.005)	(0.012)		
Constant	26.350***	38.424***				
	(0.503)	(0.427)				
Estimator	ols	ols	ols	ols		
Fixed effects	None	None	vear	country, year		
Std. errors clustered	No	No	year	country, year		
Observations	4,215	4,215	4,215	4,215		
R^2	0.642	0.804	0.810	0.114		
Adjusted \mathbb{R}^2	0.642	0.803	0.809	0.067		

Conclusion

- The Preston Curve is alive and well!
- Have fun adjusting this template to fit your research needs
- Consider contributing to its repository and promote Open Science!