

To what extent GDP per capita is linked to the level of happiness?

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Appendix

TABLES

Table 1. Short description of the variables

Variables	Description
RLadder	Average level of hapiness (integer): btw. 4 and 7 in our data.
logGDP	Log of GDP per capita.
GINI	GINI Index.
CO2	CO2 emissions per capita.
CPW	Fertility rate: number of children per woman.
WestEurope	= 1 if located in Western Europe, = 0 otherwise.
EastEurope	= 1 if located in Eastern Europe, = 0 otherwise.
Africa	= 1 if located in Africa, = 0 otherwise.
MiddleEast	= 1 if located in MiddleEast, = 0 otherwise.
AsiaOceania	= 1 if located in AsiaOceania, = 0 otherwise.
America	= 1 if located in America, = 0 otherwise.

Table 2.

Table 3. Summary statistic

% Table created by stargazer v.5.2 by Marek Hlavac, Harvard University. E-mail: hlavac at fas.harvard.edu
 % Date and time: jeu., mars 08, 2018 - 21:42:26

Table 2:

	logGDP	GINI	CO2	CPW
Min.	6.485	0	0.037	1.227
1st Qu.	8.986	0.308	1.725	1.498
Median	9.690	0.355	4.441	1.893
Mean	9.562	0.373	5.254	2.191
3rd Qu.	10.261	0.433	7.468	2.570
Max.	11.423	0.700	21.616	7.566

Table 4. Coefficients for the first model

weights: 12 (6 variable)

initial value 786.028903 iter 10 value 567.803325 iter 20 value 567.118630 final value 567.118536 converged

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Table 3:

	<i>Dependent variable:</i>		
	5	6	7
	(1)	(2)	(3)
logGDP	1.265*** (0.202)	2.199*** (0.244)	4.451*** (0.340)
Constant	-9.948*** (1.745)	-18.876*** (2.177)	-41.540*** (3.259)
Akaike Inf. Crit.	1,146.237	1,146.237	1,146.237
<i>Note:</i> *p<0.1; **p<0.05; ***p<0.01			

Table 5. Coefficients for the second model

weights: 48 (33 variable)

initial value 786.028903 iter 10 value 564.134340 iter 20 value 462.350784 iter 30 value 419.367035 iter 40
 value 411.624069 iter 50 value 411.016490 iter 60 value 410.991837 final value 410.978777 converged

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Table 6. Coefficients for the third model

```
## The following object is masked from package:datasets:
##
##      C02
```

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 % Date and time: jeu., mars 08, 2018 - 21:42:35

```
## The following objects are masked from finaldata2:
##
##      Africa, America, AsiaOceania, C02, Country, CPW, EastEurope,
##      GINI, logGDP, MiddleEast, RLadder, WestEurope, Year
##
## The following object is masked from package:datasets:
##
##      C02
```

Table 4:

	<i>Dependent variable:</i>		
	5	6	7
	(1)	(2)	(3)
logGDP	0.677* (0.409)	2.243*** (0.524)	8.896*** (1.018)
GINI	-4.998* (2.693)	-13.433*** (3.525)	-9.432** (4.791)
CO2	0.347*** (0.134)	0.338** (0.140)	0.372** (0.161)
CPW	-0.227 (0.315)	-0.483 (0.484)	0.753 (0.706)
WestEurope	4.912** (2.245)	3.790 (3.558)	-7.605*** (2.394)
EastEurope	-3.579*** (0.848)	-4.922 (6.015)	-17.532*** (2.044)
Africa	-1.798* (1.087)	-10.834 (33.213)	-18.478*** (0.092)
MiddleEast	-0.384 (1.311)	-1.437 (6.122)	-11.500*** (2.528)
AsiaOceania	-1.766** (0.742)	-2.538 (5.999)	-14.421*** (2.105)
America	1.488 (1.256)	3.836 (6.100)	-3.376 (2.175)
Constant	-1.126 (3.277)	-12.106* (7.355)	-72.912*** (8.719)
Akaike Inf. Crit.	881.958	881.958	881.958
<i>Note:</i> *p<0.1; **p<0.05; ***p<0.01			

Table 5:

	<i>Dependent variable:</i>		
	RLadder		
	(1)	(2)	(3)
richGDPL	1.016*** (0.079)		
poorGDPL	0.528*** (0.054)		
richGDPL2		1.260*** (0.104)	
poorGDPL2		0.524*** (0.046)	
richGDPF			0.914*** (0.060)
poorGDPF			0.469*** (0.068)
Constant	5.612*** (0.052)	5.777*** (0.050)	5.323*** (0.055)
Observations	567	567	567
R ²	0.474	0.485	0.472
Adjusted R ²	0.472	0.484	0.470
Residual Std. Error (df = 564)	0.715	0.707	0.716
F Statistic (df = 2; 564)	253.770***	265.995***	252.187***
<i>Note:</i> *p<0.1; **p<0.05; ***p<0.01			

FIGURES

Figure 1. Model 1

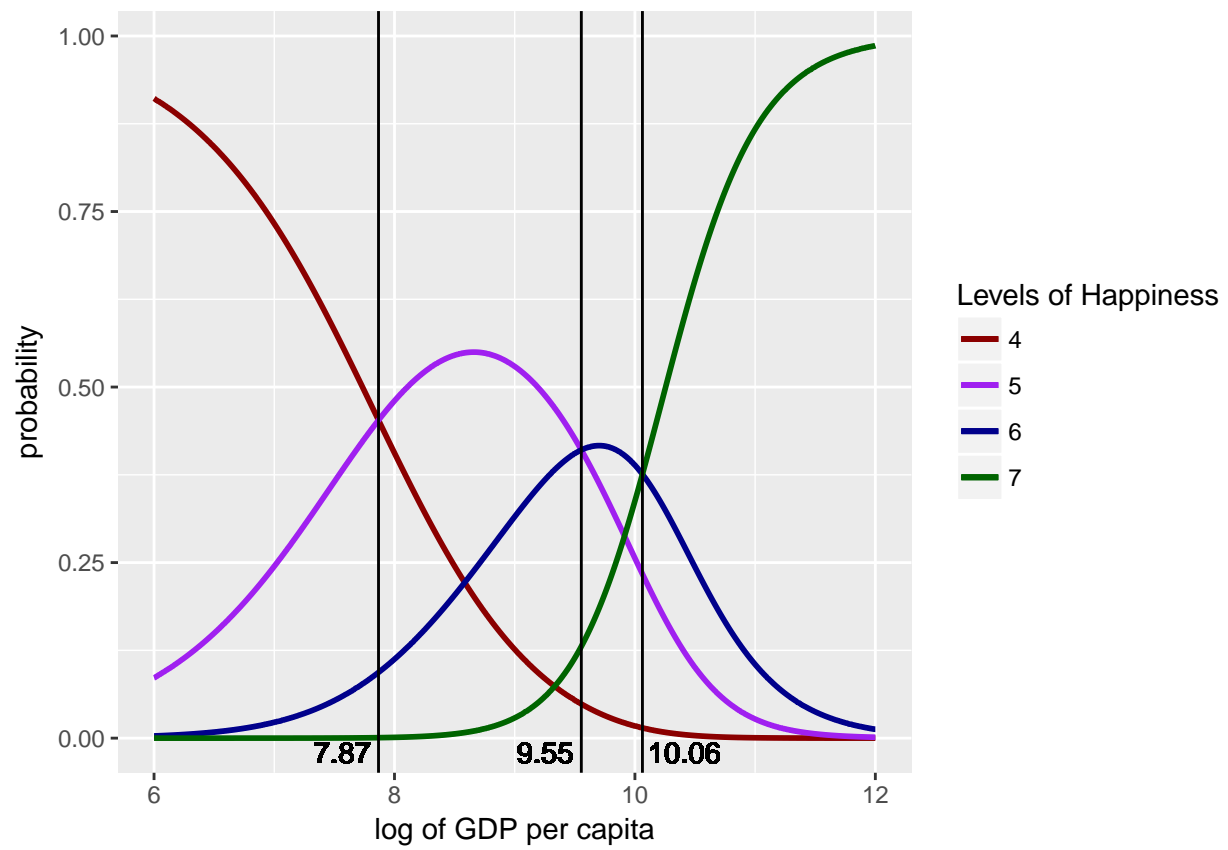


Figure 2. Model 2 (with/without GINI Index)

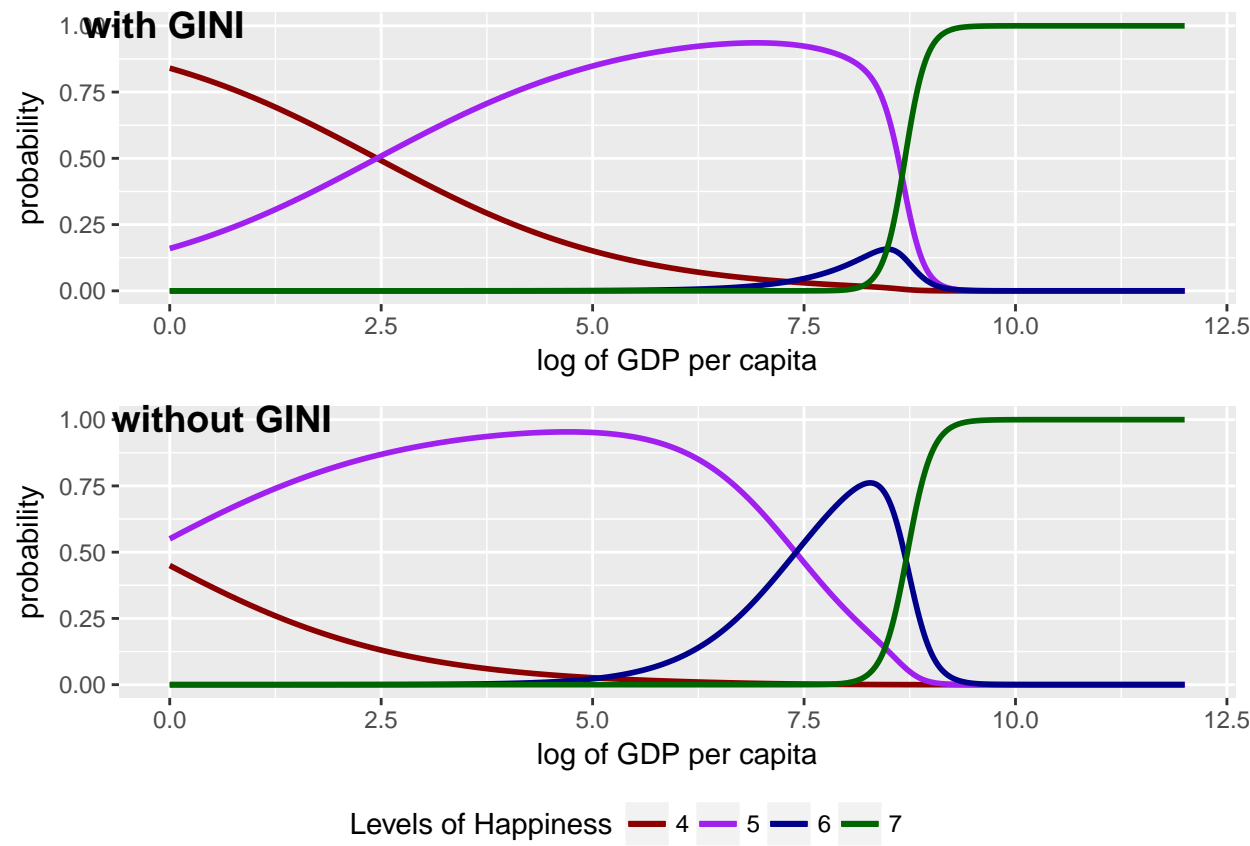


Figure 3. Model 2 (group by continent)

