

I'M PRETTY SURE
THAT'S ME BEING HAPPY AS A PIG

There is no such thing as a free lunch! Who is paying for our happiness?



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Lars Carlsen
Awareness Center


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Happiness and Sustainability

As the human species continues its quest for happiness and well-being, more emphasis must be placed on sustainability and the interaction between sustainability and happiness”

Danish Ministry of Environment, 2012




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What is happiness?

“the experience of joy, contentment, or positive well-being, combined with a sense that one's life is good, meaningful, and worthwhile”

Lyubomirsky, 2008




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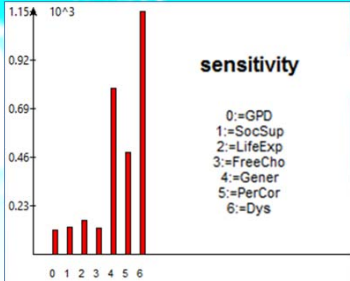
Word Happiness Index

- GDP per capita is in terms of Purchasing Power Parity (PPP)
- Social support (or having someone to count on in times of trouble)
- The time series of healthy life expectancy at birth
- Freedom to make life choices
- Generosity
- Perceptions of corruption
- The country's own perception of doing better or worse than the hypothetical country Dystopia

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sensitivity

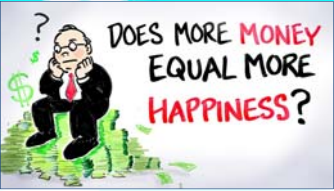



Category	Sensitivity (x 10 ³)
0	~0.10
1	~0.12
2	~0.15
3	~0.18
4	~0.75
5	~0.45
6	~1.15

2016 HI data

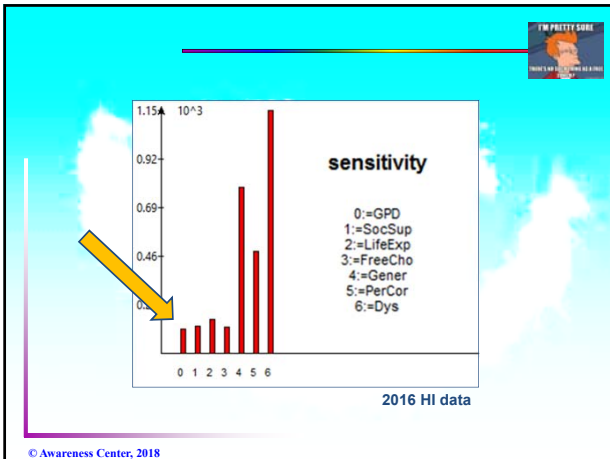
0:=GPD
1:=SocSup
2:=LifeExp
3:=FreeCho
4:=Gener
5:=PerCor
6:=Dys

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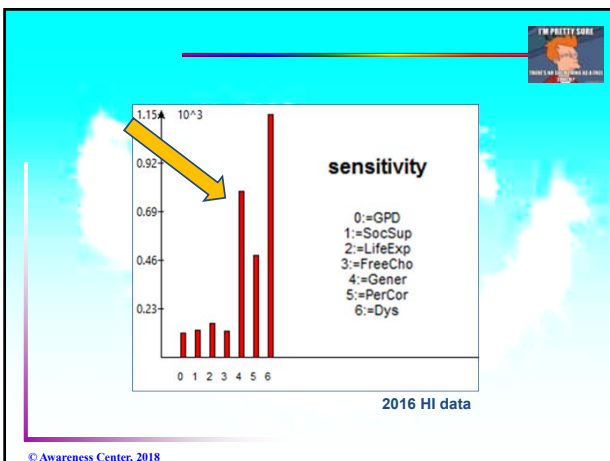



YouTube

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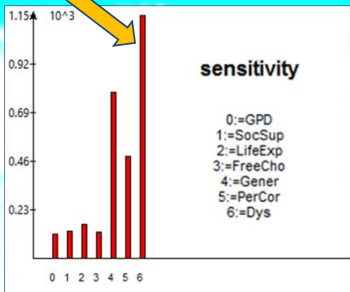






The greatest happiness is to know the source of unhappiness
F. Dostoevsky

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= the events of your life vs. your expectations

sensitivity

0:=GPD
1:=SocSup
2:=LifeExp
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2016 HI data

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<http://uclafacultyassociation.blogspot.dk/2017/06/finding-csprit.html>

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	2016	2017	2018
1	Canada	Switzerland	Switzerland
2	Iceland	Iceland	Norway
3	Australia	Norway	Iceland
4	Switzerland	Canada	Canada
5	Norway	Denmark (2)	Finland
6	New Zealand	New Zealand	Australia
7	Denmark (1)	The Netherlands	Denmark (3)
8	Netherlands	Australia	The Netherlands
9	Finland	Sweden	New Zealand
10	Austria	Finland	Sweden

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Happy Planet Index

Approximate:

$$\text{Happy Planet Index} \approx \frac{(\text{Life expectancy} \times \text{Experienced wellbeing}) \times \text{Inequality of outcomes}}{\text{Ecological Footprint}}$$

Adjusted::

$$\text{Happy Planet Index} = \frac{0.452 * ((\text{exp. WB}_{IA} - 0.158) * \text{exp. LIFE}_{IA} + 3.951)}{(\text{EFP} + 2.067)}$$

Jeffrey et al., 2016

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Happy Planet Index – Top 10

HPI Rank	Country	Footprint (gha/capita)	Inequality-adjusted Life Expectancy	Inequality-adjusted Wellbeing
1	Costa Rica	2,84	72,62	6,79
2	Mexico	2,89	66,31	6,83
3	Colombia	1,87	63,10	5,72
4	Vanuatu	1,86	60,32	5,94
5	Vietnam	1,65	64,79	5,22
6	Panama	2,79	68,33	6,32
7	Nicaragua	1,39	63,44	4,76
8	Bangladesh	0,72	56,62	4,27
9	Thailand	2,66	66,35	5,98
10	Ecuador	2,17	64,09	5,52

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Happy Planet Index – Bottom 10

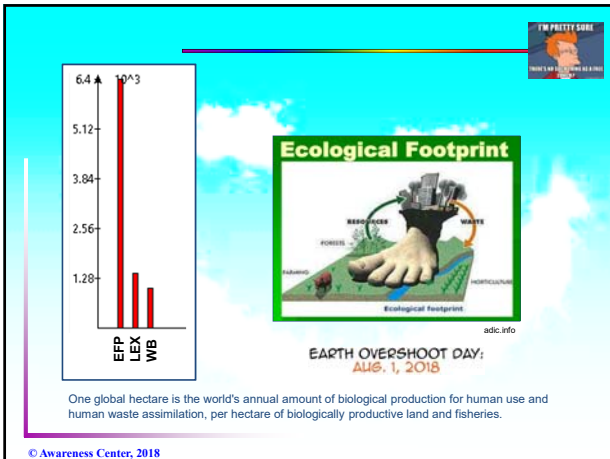
HPI Rank	Country	Footprint (gha/capita)	Inequality-adjusted Life Expectancy	Inequality-adjusted Wellbeing
131	Burundi	0,80	33,01	3,03
132	Swaziland	2,01	31,81	4,44
133	Sierra Leone	1,24	28,18	3,98
134	Turkmenistan	5,47	48,33	5,12
135	Cote d'Ivoire	1,27	30,64	3,51
136	Mongolia	6,08	56,87	4,61
137	Benin	1,41	37,27	2,82
138	Togo	1,13	39,64	2,42
139	Luxembourg	15,82	78,97	6,70
140	Chad	1,46	27,32	3,67

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Happy Planet Index – Bottom 10

HPI Rank	Country	Footprint (gha/capita)	Inequality-adjusted Life Expectancy	Inequality-adjusted Wellbeing
131	Burundi	0,80	33,01	3,03
132	Swaziland	2,01	31,81	4,44
133	Sierra Leone	1,24	28,18	3,98
134	Turkmenistan	5,47	48,33	5,12
135	Cote d'Ivoire	1,27	30,64	3,51
136	Mongolia	6,08	56,87	4,61
137	Benin	1,41	37,27	2,82
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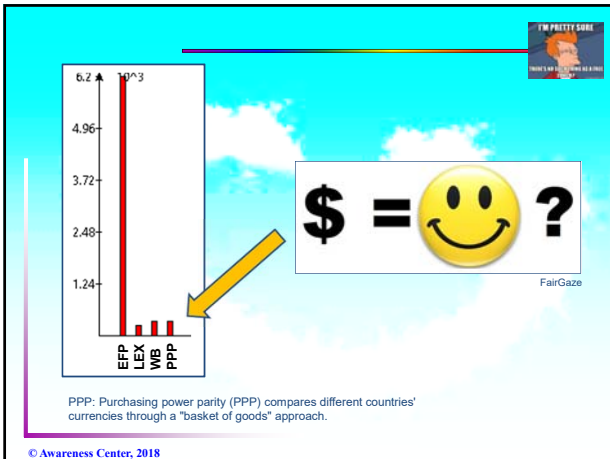
Rkav	Country	HPI	EFP	HI (Rkav)
1	Bangladesh	8	0,72	84
2	Costa Rica	1	2,84	20
3	Pakistan	63	0,79	47
4	Norway	12	4,98	5
5	Spain	15	3,67	32
6	Colombia	3	1,87	56
7	Tajikistan	25	0,91	54
8	Philippines	20	1,1	51
9	Vietnam	5	1,65	100
10	Nicaragua	7	1,39	23
50	Denmark	32	5,51	7
103	Luxembourg	139	15,82	21

EFP in gha/cap

Luxembourg is 'peculiar' due to the exceptional high EFP

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Rkav	Country	HPI	EFP	HI (Rkav)
1	Norway	12	4,98	5
2	Spain	15	3,67	32
3	Colombia	3	1,87	56
4	Pakistan	36	0,79	47
5	Philippines	20	1,1	51
6	Uruguay	14	2,91	33
7	Bangladesh	8	0,72	84
8	Palestine	22	1,19	138
9	Netherlands	18	5,28	8
10	Costa Rica	1	2,84	20
37	Denmark	32	5,51	7
73	Luxembourg	139	15,82	21

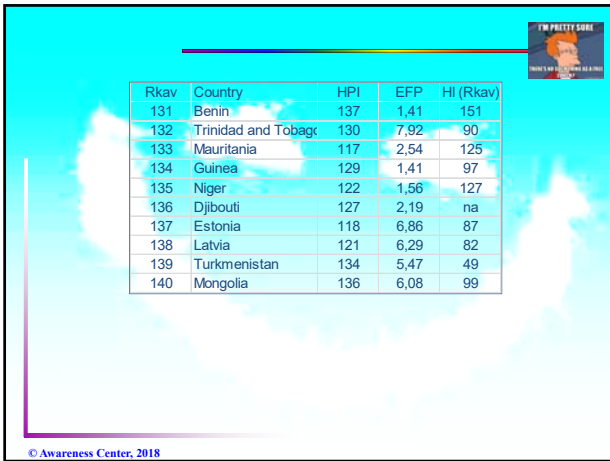
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Norway vs. Luxembourg

HPI	Country	EFP	exp.Life (IA)	exp.WB (IA)	PPP
12	Norway (1)	4,98	78,60	7,42	101564
139	Luxembourg (73)	15,82	78,97	6,70	105447

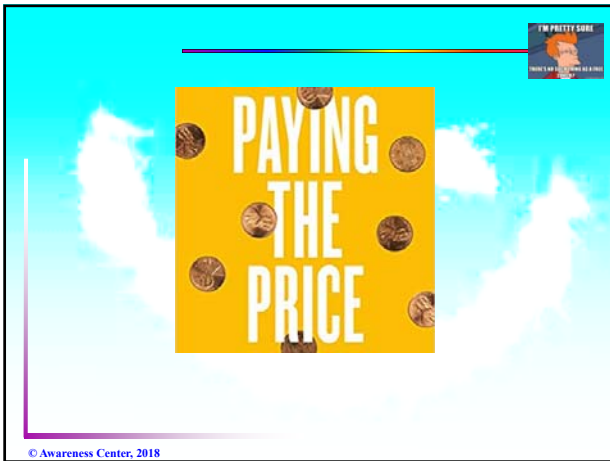
Changing the EFP for Luxembourg to 5,82 changes the HPI(Rkav) to **24**

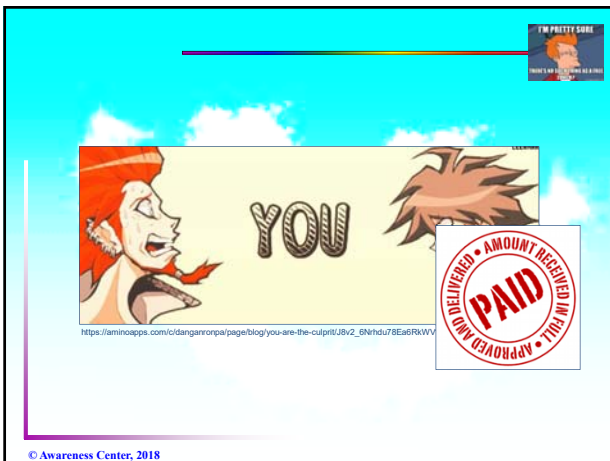
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Rkav	Country	HPI	EFP	HI (Rkav)
131	Benin	137	1,41	151
132	Trinidad and Tobago	130	7,92	90
133	Mauritania	117	2,54	125
134	Guinea	129	1,41	97
135	Niger	122	1,56	127
136	Djibouti	127	2,19	na
137	Estonia	118	6,86	87
138	Latvia	121	6,29	82
139	Turkmenistan	134	5,47	49
140	Mongolia	136	6,08	99



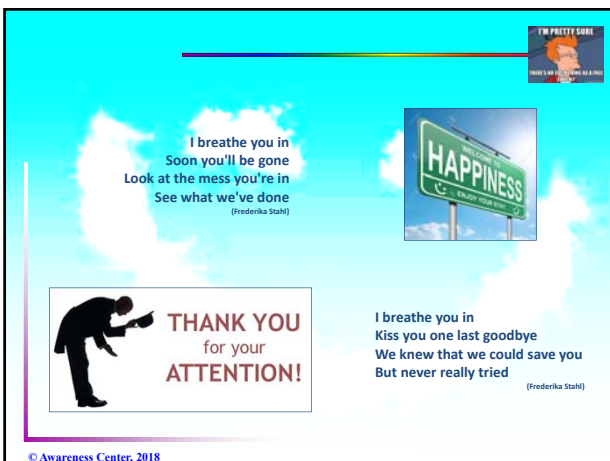




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