

Paradoxes of well-being

Latin American Conference on Measuring Well-Being and Fostering the Progress of Societies

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Content of presentation

Focus: relation between 'happiness' and economic resources (income), in the form of either the Easterlin paradox_or Latin American paradox

➢I will refer to these 'paradoxes' to highlight some elements of OECD's work programmes on SWB (ref. to OECD's earlier presentation for broader picture)

- explore some of the **empirical patterns** on the nature of these two paradoxes, based on analysis of GWP data for our forthcoming report ("How's Life?)
- highlight how OECD's methodological work aims to improve understanding of these issues ("Guidelines SWB")



1. Empirical patterns

Subjective well-being is '**multi-dimensional**' :

- Life satisfaction (remembered cognitive evaluation)
- Affect (experienced feelings)
 - Positive affect (joy, contentment)
 - Negative affect (sadness, anger, worry)

> Eudaimonic well-being

• positive functioning: meaning, competence, autonomy



1. Life-satisfaction: what do we know?

Statistical quality of the measures

Evidence on relation between average LE and average income: cross-country versus time-series

> Evidence on the **importance of other factors**:

► **Inequalities** in LS are as important as averages



1.1. LS: statistical quality (1)

Three criteria:

> Reliability

> Response burden

> Validity

Survey questions on LS performs well on each of them



1.1. LS: statistical quality (2)

Construct validity

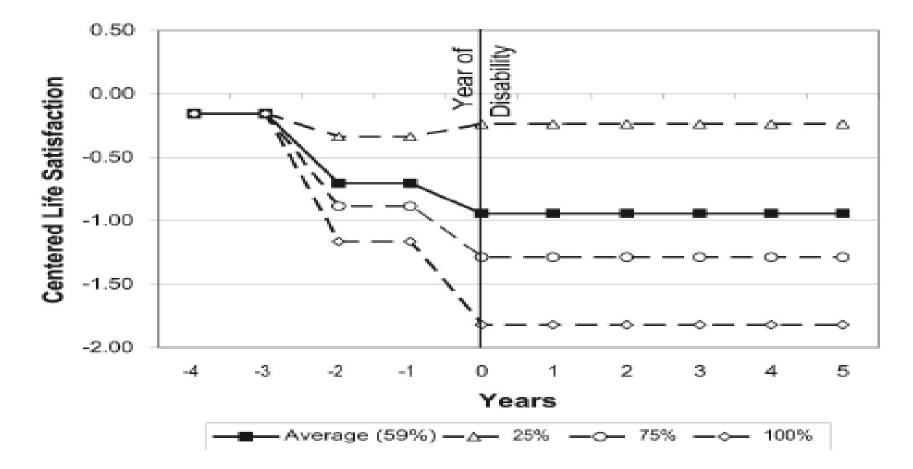
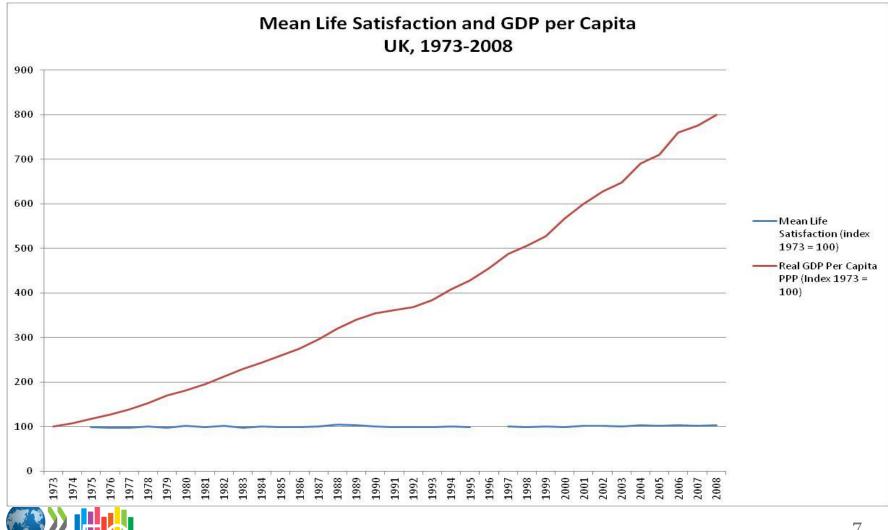
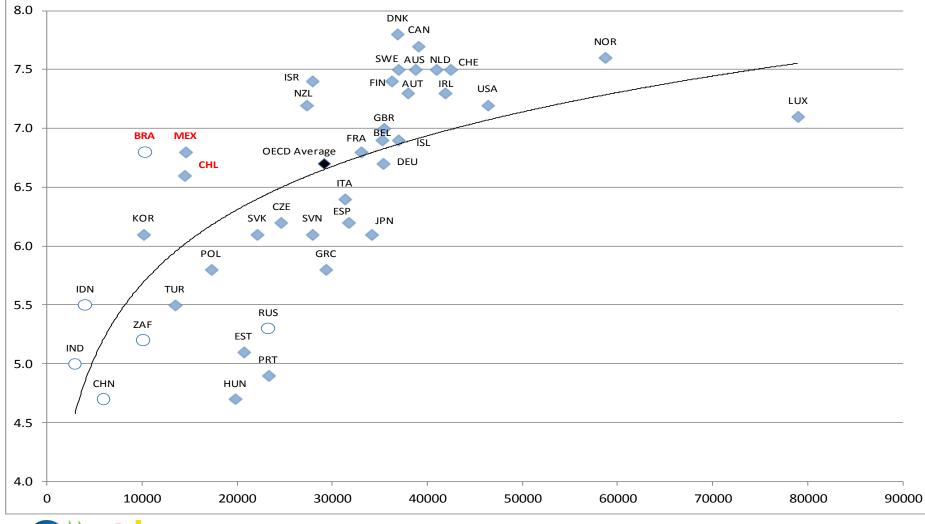


Figure 1. Predicted changes in centered life satisfaction before and after onset of disability in the German Socio-Economic Panel Study sample. Different lines reflect varying amounts of disability.

1.2. Average LS and income: time-series



1.2. Average LS and income: cross-section





1.3. Average LS and other factors (1)

Factors beyond income matter as well:

- ➤ Age ("U-shaped" relationship)
- Gender (women are more satisfied on average, but also more likely to be depressed)
- Sex (more sex is good, more partners is not)
- Governmental quality (post-communist effect, direct democracy)
- Commuting (bad)
- Inflation (bad, but less bad than unemployment)
- ➢ Noise pollution
- ➢ Risk of terrorism
- ➢ Risk of crime



1.3. Average LS and other factors (2)

Estimates of 'monetary equivalent'

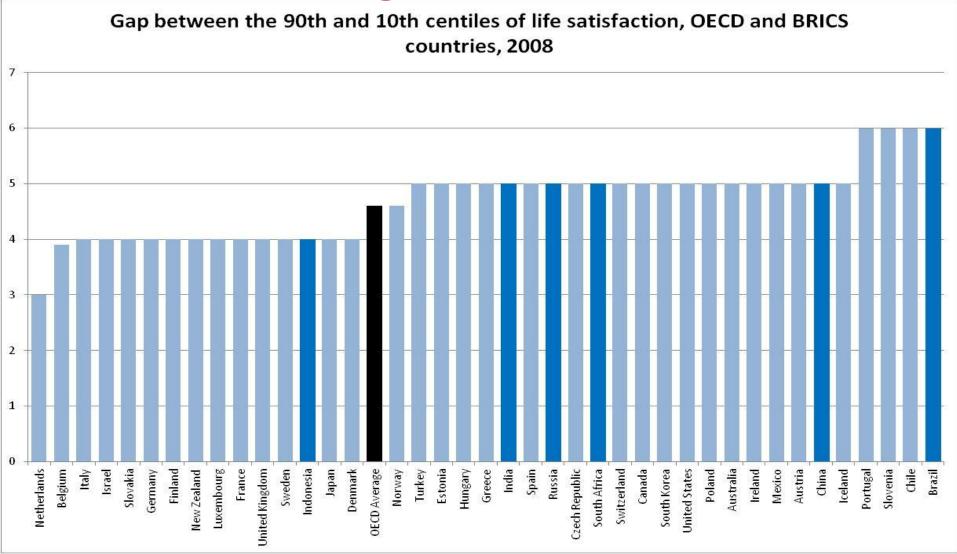
Outcome Area	Effect size relative to doubling of income
Female	0.6
Born abroad	-2.0
Unemployed	-3.1
Health problems	-3.1
Secondary education	1.5
Tertiary education	3.0
Feel safe walking alone	1.2
Money or property stolen	-1.0
Married	1.6
Number of children	0.0
Have friends to count on	5.2
Volunteering	2.5
Satisfied with water quality	-0.2
Confidence in the judicial system	1.1
Aggregate level of social trust	0.3

Conclusion: income matters, but so does a range of other (non-monetary factors)



1.4. Inequalities in LS (1)

Cross-country differences in LE are much larger than those in average scores

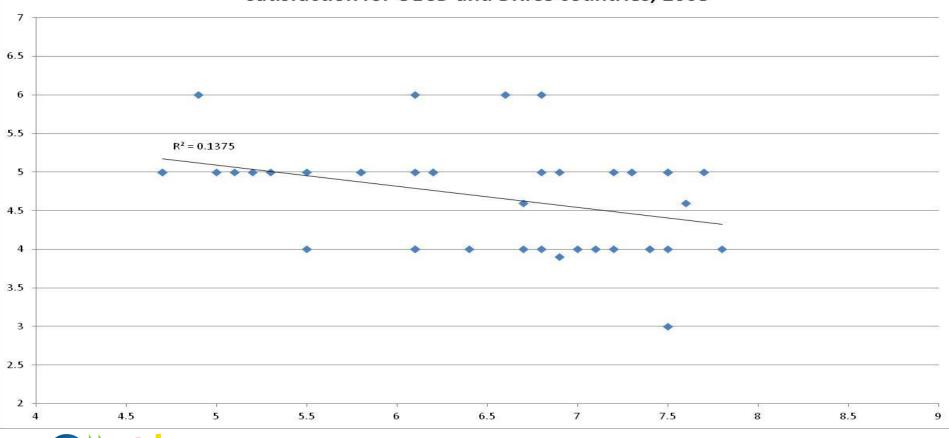


1.4. Inequalities in LS (2)

Larger inequalities are associated to lower

average scores

Gap between the 90th and 10th centiles of life satisfaction and mean life satisfaction for OECD and BRICS countries, 2008



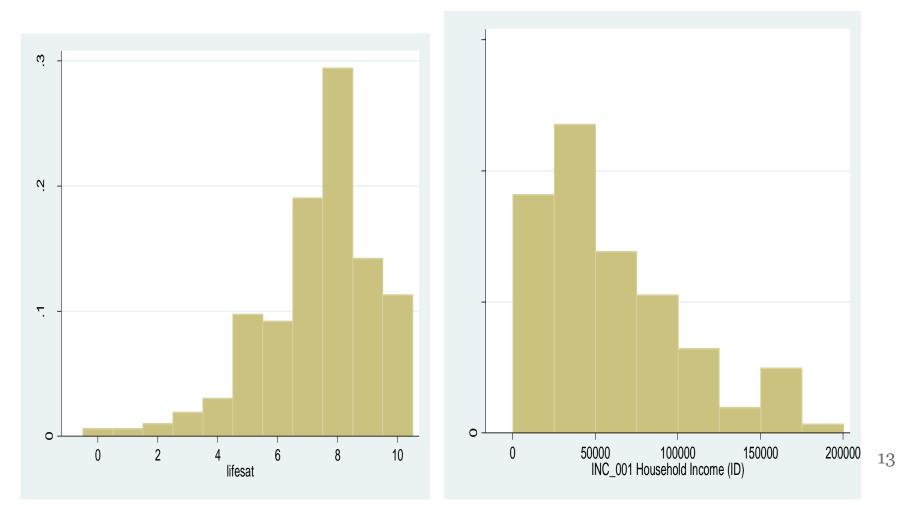


1.4. Inequalities in LS (3)

Differences in distribution of LS and income affect their relation

Distribution of LS in the US

Distribution of income in the US



2. Methodology

Some of the stylised factors for LS are well established.

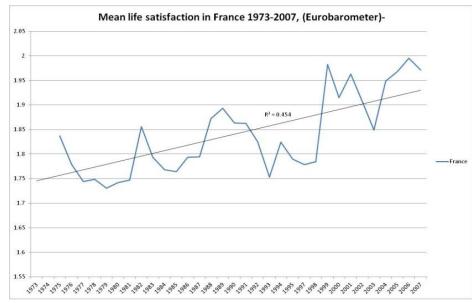
However, there are several **methodological challenges** worth considering

> Signal-to-noise ratio
> Dimension of SWB considered

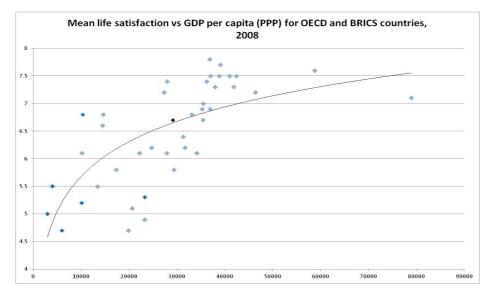


2.1. High signal-to-noise ratio

• The time-series measures we currently use are largely derived from non-official sources (in this case Eurobarometer)



• The log-linear relationship between income and life satisfaction means that even big rises in income yield only very small changes in life satisfaction for developed countries





2.2. Dimension of SWB considered

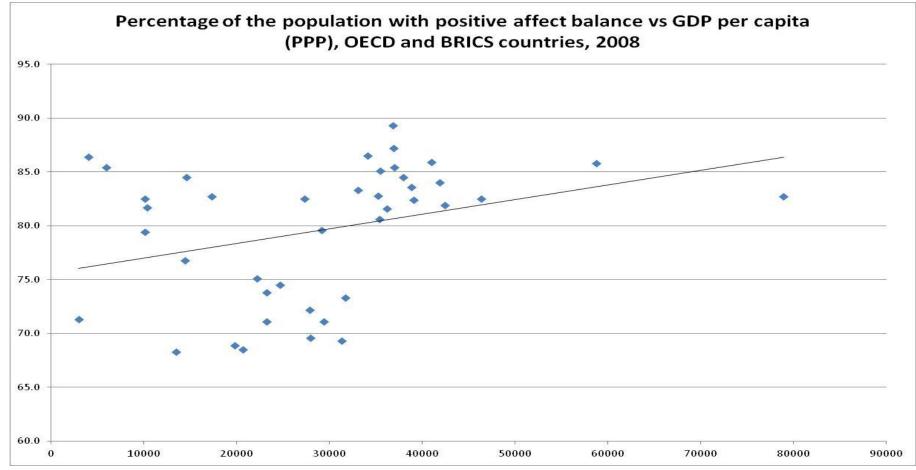
Choice of SWB dimension matters:

- Limited data has led researchers to work with whatever has been available, i.e. the two measures are often used interchangeably in investigations
- Measures of affect are affected by changes in circumstances in different ways than LS: choice of which SWB measure is used has strong effect on conclusions
- Using only measures for one dimension means that results can be dominated by **response styles** (e.g. a cultural predisposition or aversion to making extreme responses)
- Solution: it is important that quality information on both affect and LS is available



2.2. Illustration (1)

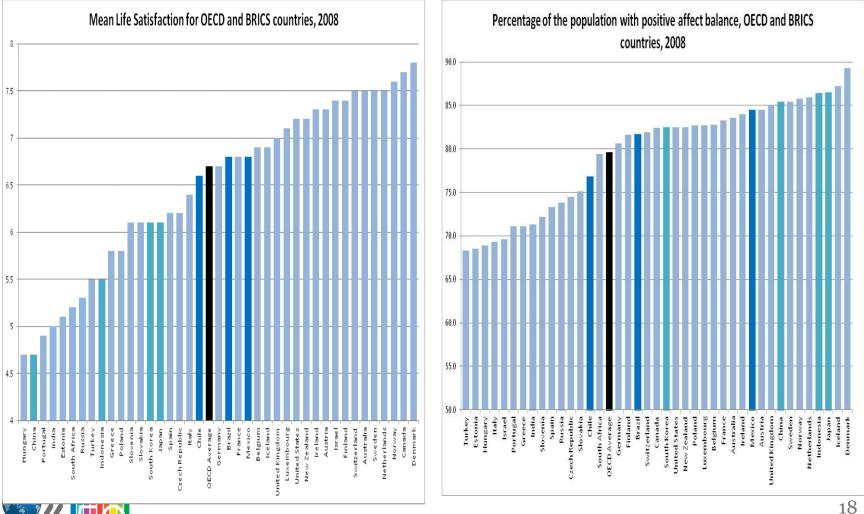
While there is robust relationship between *income and LS*, relationship between *income and affect* is much weaker





2.2. Illustration (2)

Latin American (East Asian) paradox



2.3. OECD work programme (1)

Since release of the report of the Stiglitz-Sen-Fitoussi Commission, several NSOs have launched initiatives on the measurement of SWB, e.g.:

- LS (EU-SILC module; GSS for Italy, etc.)
- Affect (French TUS, ATUS)

Risk of proliferation of competing measures: cost-effectiveness calls for comparable measures



2.3. OECD work programme (2)

Guidelines on the Measurement of Subjective Well-being.

➤Goal: Guidelines on the collection and use of measures of subjective well-being that will be *the* recognised standard adopted by national statistical agencies and other producers and users of surveybased SWB data.



2.3. OECD work-programme (3)

- Chapter 1: Introduction.
- Chapter 2: Conceptual framework.
- Chapter 3: Issues in the measurement of subjective wellbeing.
- Chapter 4: Standard measures.
- Chapter 5: Choice of survey vehicle.
- Chapter 6: Analytical issues.
- Chapter7: Output and Dissemination.
- Chapter 8: Recommendations.
- Appendix A: Case study.
- Appendix B: Case study.
- Appendix C: Prototype module 1 general household surveys.
- Appendix D: Prototype module 2 time use surveys.



2.3. OECD work-programme (4):

Evaluative questions -Single question evaluative measure Keyrfquestion Core Limited question affect scale Affect questions – e.g. happiness, smiling, joy, Domain satisfaction questions sadness, worry **Psychological well-being** Eudaimonic well-being - e.g. purpose, **Optional** burishing questions Experienced well-being questions (implementation of the DRM)

1.4. OECD work programme (4)

Expected outcomes

➤increase the number of countries for which official measures of subjective well-being are produced

- improve international comparability of SWB measures by establishing common standards used by national statistical agencies
- Improve quality of measures collected by setting out best practice in question design
- Improve usefulness of data collected by setting out guidelines on the appropriate frequency, survey vehicles, and covariates when collecting subjective well-being data.



Conclusion on 'paradoxes'

Thomas Kuhn, The Structure of Scientific Revolutions

- periods of continuity in science are interrupted by discontinuities
- In during revolutions, anomalies/paradoxes lead to a new paradigm that changes the rules of the game and the map of research

Something similar is at work today in social sciences with respect to notions of 'progress' and 'well-being'

- from uni-dimensional to multi-dimensional metrics: economic production is not the only thing that matter
- ➢ different dimensions of well-being ; linked but also rel. independence

Conclusion: we are moving **from 'paradoxes' to new 'paradigms':** this is what the OECD-work is about

