

**Académie de Toulouse – sections européennes – session 2016**

Subject n°42 : **STATISTICS**

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In the UK, the Office for National Statistics (ONS) works on a “Measuring National Well-being programme”, which aims at producing accepted and trusted measures of the well-being of the nation.

The ONS has published 41 measures of National well-being, among which we can find a “Life satisfaction indicator”, which is the percentage of adults aged 16 and over rating their satisfaction with life as 7 or more out of 10.

Respondents were asked: “All things considered, how satisfied would you say you are with your life these days? Where 1 means very dissatisfied and 10 means very satisfied.”

The table below shows this indicator, for the 10 most populated of the 28 member states of the European Union, as well as for the whole Union.

<b>Country</b>	<b>Population</b>	<b>Life satisfaction (%)</b>
Belgium	11,258,434	78.4
France	67,107,000	71.6
Germany	81,197,500	72.3
Greece	10,812,467	49.0
Italy	60,795,612	64.8
Netherlands	16,900,726	84.6
Poland	38,005,614	67.1
Romania	19,861,408	63.2
Spain	46,439,864	76.2
United Kingdom	65,100,000	71.8
EU-28	508,000,846	69.3

1. For the 10 most populated European countries:
  - a. Compute the mean of this indicator,
  - b. Compute the median, the lower and upper quartiles,
  - c. Sketch a box plot.
2. How happy are the UK inhabitants?

Source: [http://www.ons.gov.uk/ons/dcp171766\\_363811.pdf](http://www.ons.gov.uk/ons/dcp171766_363811.pdf)

Measuring National Well-being: European Comparisons, 2014