

### Problem



*There is a direct relationship between the average life expectancy for a country and the wealth of the country (GNI per capita). No other variables affect average life expectancy.*



Below is a table showing data from the ten largest countries in the world.

COUNTRY	SIZE (km <sup>2</sup> ) <sup>1</sup>	LIFE EXPECTANCY (years) <sup>1</sup>	GNI PER CAPITA (\$) <sup>2</sup>	CO <sub>2</sub> EMISSION PER CAPITA (tons) <sup>3</sup>
Russia	17,098,242	70.47	25,411	12.4
Canada	9,984,670	81.76	45,553	15.9
USA	9,826,675	79.68	55,805	16.5
China	9,596,961	75.41	14,107	7.6
Brazil	8,514,877	73.53	15,615	2.5
Australia	7,741,220	82.15	47,389	17.3
India	3,287,263	68.13	6,162	1.8
Argentina	2,780,400	77.69	22,554	4.8
Kazakhstan	2,381,741	70.55	24,268	14.2
Algeria	2,281,741	71.8	14,504	3.5

<sup>1</sup> Infoplease.com 2015 statistics

<sup>2</sup> IMF Data 2015

<sup>3</sup> Wikipedia, based on data from Netherlands Environmental Assessment Agency CO2 time series 1990–2014



Do you think the statement above is true?

