

Data from the World Bank for 26 Western Hemisphere countries can be used to examine the association between female *Life Expectancy* and the average *Number of Children* women give birth to. Does having more children affect the life expectancy of a woman?

Task. Your assignment is to do whatever you need to investigate this data set and then write a brief article for the newspaper describing your findings and conclusions. Be sure to include in your article: a statement of the problem, the data, and any plots or graphs you construct. Be sure to discuss patterns and trends but also be sure to explain any deviations to the patterns. As part of the assignment, the education editor wants you to predict the life expectancy for a women giving birth to one child and life expectancy for a women giving birth to 5 children.

Mode. You may work on this assignment individually, or you may work with one partner (not more than one) in the class.

Report. Try to keep graphs and your commentaries about these graphs together on the same page, if possible, so the reader won't have to flip back and forth when reading your report. If you worked with a partner on this Special Problem, then both must contribute equally, and both names must appear on the article. When you write your article, assume that your readers will be reasonably intelligent, but they may not be as statistically literate as you. If you use any technical terms, you may want to briefly explain these terms as part of your story.

Grading. The score awarded for this Special Problem will depend on the quality of your analyses, the clarity of your explanations, the appropriateness of your conclusions, and whether you adhered to the general guidelines for Special Problems.

Deadline. Special Problem 3G is due on _____.

Country	Births/Woman	Life Exp.	Country	Births/Woman	Life Exp.
Argentina	2.3	74.6	Guatemala	4.4	67.6
Bahamas	2.3	70.5	Honduras	3.6	68.2
Barbados	1.7	75.4	Jamaica	2.4	70.8
Belize	3.0	71.9	Mexico	2.2	75.1
Bolivia	3.7	64.5	Nicaragua	3.2	70.1
Brazil	2.3	70.9	Panama	2.6	75.1
Canada	1.5	79.8	Paraguay	3.7	71.2
Chile	2.0	78	Peru	2.8	70.4
Colombia	2.4	72.6	Puerto Rico	1.9	77.5
Costa Rica	24.9	78.7	United States	2.0	77.4
Dominican Republic	2.8	67.8	Uruguay	2.1	75.2
Ecuador	2.7	74.5	Venezuela	2.7	73.7
El Salvador	2.8	71.1	Virgin Islands	2.2	78.6