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Lab 3: Explanation

My shiny app analyzes the Life Expectancy Data Set (<https://www.kaggle.com/datasets/kumarajarshi/life-expectancy-who>). The data set used is a subset of the original data with the Year column converted to characters. The app uses tabs, check boxes, numeric input boxes, and select input boxes (UI elements).

The app contains three tabs: About, Analysis, and Table. The About tab contains information about the data set and the definition of the columns in the data subset. The Table tab displays the data set in table form. To control the number of observations and which columns to display, numeric input and check boxes are employed. In the Analysis tab, the data is examined using simple linear regression. Users can control the data plotted on the y-axis and x-axis and a factor variable. The summary of the regression analysis is under the graph section.

Note: The dataset is in a CSV file titled "Life Expectancy Data"