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DAT 301

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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 dataset used is a subset of the original data with the Year column converted to characters. The app uses tabs, checkboxes, 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 dataset and the definition of the columns in the data subset. The Table tab displays the dataset in table form. To control the number of observations and which columns to display, numeric input and checkboxes 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"