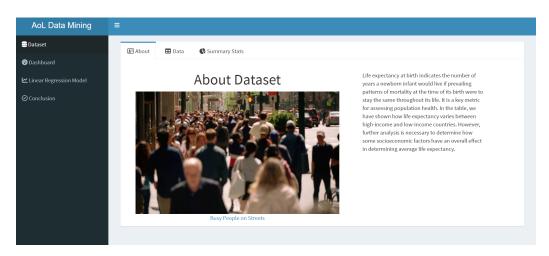
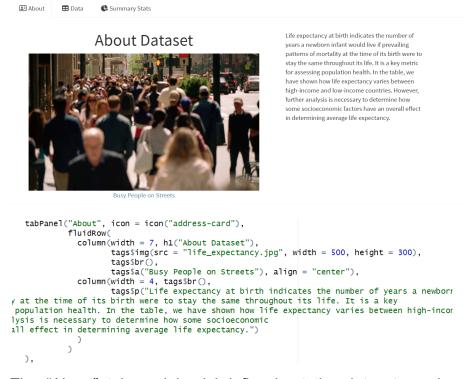
Shiny Dashboard Report



a. Dataset

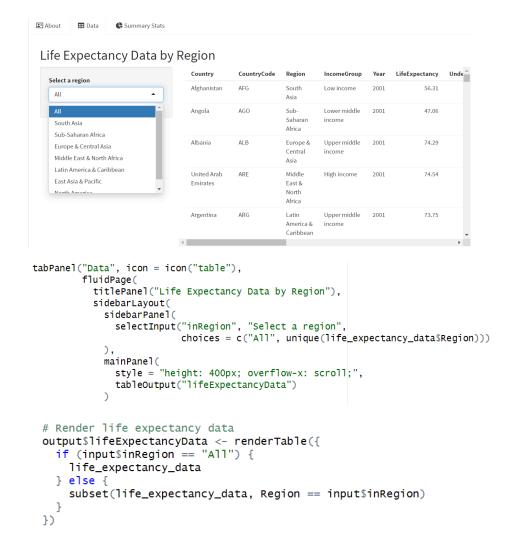
The dataset section is designed to provide users with a comprehensive overview of the life expectancy dataset and facilitate an in-depth exploration of the data.

About Dataset



The "About" tab explained briefly about the dataset used, ensuring users have a clear understanding of its context and significance.

ii. Dataset Table



The "Data" tab allows users to interact with the raw dataset. Users can select a specific region from a dropdown menu to filter the data and view relevant records in a table format.

iii. Summary Stats



The "Summary Stats" tab provides a statistical summary of the dataset, displaying essential metrics such as mean, median, minimum, and maximum values for each variable.

b. Dashboard

Average Life Expectancy Over the Years

```
# Render line chart with Plotly output$linechart <- renderPlotly({
    plot_ly(
        data = avg_life_expectancy,
        x = ~Year,
        y = ~LifeExpectancy,
        type = 'scatter',
        mode = 'lines+markers',
        line = list(color = 'darkblue'),
        marker = list(color = 'darkblue'))

        %>%
        layout(
            xaxis = list(title = "Year"),
            yaxis = list(title = "Life Expectancy")

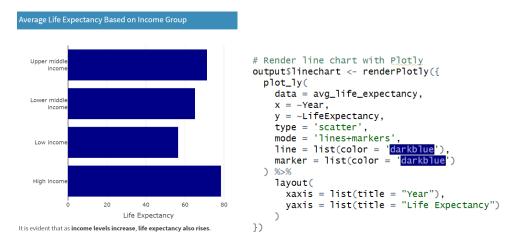
}

The average global life expectancy consistently increased from 2001 to 2015.

}
```

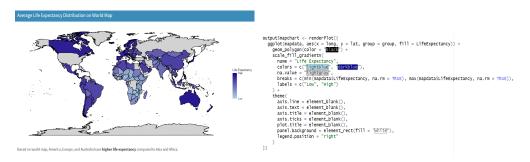
Line chart showing the global average life expectancy over the years.

ii. Bar Chart Life Expectancy Based on Income Group



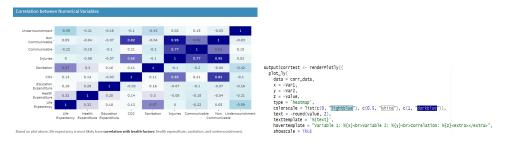
Bar chart showing the average life expectancy based on income group.

iii. Average Life Expectancy Distribution Across Regions



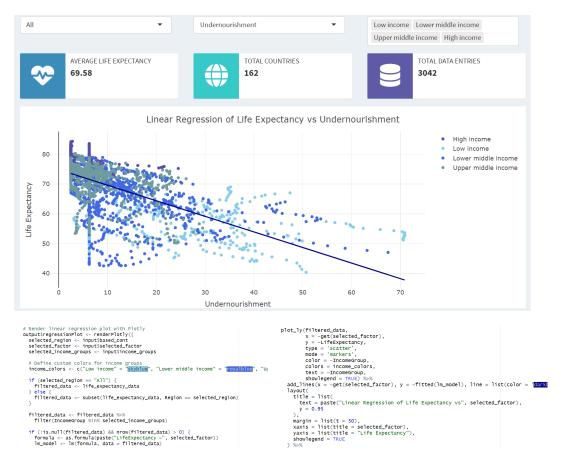
Map chart showing average life expectancy across regions.

iv. Correlation Plot Between Numerical Variables



Correlation map showing corr score of every numerical variable in the dataset.

c. Linear Regression Model



The Linear Regression Model section allows users to explore how different factors influence life expectancy through regression analysis. Users can select a continent, a factor for regression, and specific income groups to see the analysis to their interests.

d. Conclusion

```
Summary of Findings

Based on data given, our analysis has revealed several critical insights into the factors affecting life expectancy globally:

• Global life expectancy has steadily increased from 2001 to 2019, highlighting improvements in healthcare, nutrition, and living conditions.

• Regions with higher income levels generally exhibit higher average life expectancy, underscoring the importance of economic stability in health outcomes.

• Significant correlations exist between life expectancy and various socioeconomic factors, such as education, income, and healthcare access.

These findings emphasize the need for continued investment in healthcare infrastructure, education, and economic development to further enhance life expectancy globally.

#Render text for conclusion page output$conclusionText <- renderUI({
HTML("<p>Based on data given, our analysis has revealed several critical insig 
            <| I > C| |
            <| I > C| |
```

The Conclusion section summarizes the key findings and comprehensive overview of the insights gained from the data analysis.