

A heatmap visualization of the correlation matrix for the 10 variables. The x-axis and y-axis are labeled with the variable names: `Age`, `Gender`, `Married`, `Children`, `Spouse`, `Health`, `Income`, `Education`, `Religion`, and `Region`. The diagonal elements are all 1.0, indicating perfect self-correlation. The off-diagonal elements show the pairwise correlations between variables. The color scale ranges from light blue (low correlation) to dark blue (high correlation). The highest correlations are observed between `Age` and `Spouse` (approximately 0.8), and between `Age` and `Health` (approximately 0.7). Other notable correlations include `Gender` and `Spouse` (approximately 0.6), and `Married` and `Children` (approximately 0.5).

