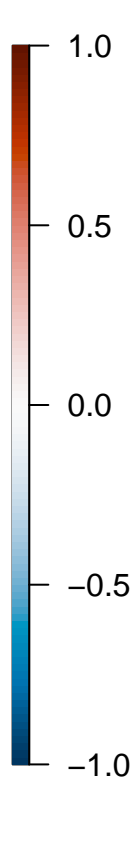


A heatmap visualization showing the relationship between 12 variables. The variables are labeled 1 through 12 on the x-axis. The color scale ranges from dark blue (strong negative correlation) to dark red (strong positive correlation), with white representing zero correlation. The diagonal elements are dark red, indicating a correlation of 1.0. The upper triangle shows positive correlations, with the strongest (darkest red) between variables 2 and 5. The lower triangle shows negative correlations, with the strongest (darkest blue) between variables 2 and 5.



Heatmap visualization of the correlation matrix for the 12 variables. The color scale ranges from -0.5 (dark blue) to 1.0 (dark red), with white representing 0.0. The diagonal elements are all 1.0 (dark red). The matrix shows strong positive correlations between variables 1 and 2, 1 and 3, 1 and 4, 1 and 5, 1 and 6, 2 and 3, 2 and 4, 2 and 5, 2 and 6, 3 and 4, 3 and 5, 3 and 6, 4 and 5, 4 and 6, 5 and 6, and 6 and 7. The matrix also shows strong negative correlations between variables 1 and 7, 1 and 8, 1 and 9, 1 and 10, 1 and 11, 1 and 12, 2 and 7, 2 and 8, 2 and 9, 2 and 10, 2 and 11, 2 and 12, 3 and 7, 3 and 8, 3 and 9, 3 and 10, 3 and 11, 3 and 12, 4 and 7, 4 and 8, 4 and 9, 4 and 10, 4 and 11, 4 and 12, 5 and 7, 5 and 8, 5 and 9, 5 and 10, 5 and 11, 5 and 12, 6 and 8, 6 and 9, 6 and 10, 6 and 11, 6 and 12, 7 and 8, 7 and 9, 7 and 10, 7 and 11, 7 and 12, 8 and 9, 8 and 10, 8 and 11, 8 and 12, 9 and 10, 9 and 11, 9 and 12, 10 and 11, 10 and 12, 11 and 12.

