

Figure 1 is a 10x10 heatmap representing the correlation matrix of the 10 variables. The diagonal elements are all 1.0, shown as dark red squares. The matrix is symmetric. The top-left 5x5 block (variables 1-5) shows high positive correlations, with many cells in dark red. The bottom-right 5x5 block (variables 6-10) also shows high positive correlations. The off-diagonal blocks (e.g., variables 1-5 vs 6-10) show lower correlations, with cells in lighter shades of red or white.

