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Figure 1: A 10x10 matrix visualization of the correlation matrix for the 10 variables. The diagonal elements are all 1.00. The off-diagonal elements represent the Pearson correlation coefficients between pairs of variables. The matrix is symmetric. A color scale on the right indicates the magnitude of the correlation, ranging from 0.0 (white) to 1.0 (black). The variables are ordered as follows: 1. 0.00, 2. 0.00, 3. 0.00, 4. 0.00, 5. 0.00, 6. 0.00, 7. 0.00, 8. 0.00, 9. 0.00, 10. 0.00. The matrix shows varying degrees of correlation between the variables, with some pairs showing higher correlations (darker gray) than others (lighter gray).

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