

A heatmap visualization of the correlation matrix for the 18 variables. The x and y axes are labeled with variable indices from 0.0 to 17.5 in increments of 2.5. The color scale ranges from dark purple (low correlation) to yellow (high correlation). The diagonal elements are bright yellow, indicating a correlation of 1.0. The upper triangle shows positive correlations, with the strongest (yellow) between variables 0 and 1, and between 1 and 2. The lower triangle shows negative correlations, with the strongest (dark purple) between variables 17 and 18.

