

The figure is a 2D histogram representing the distribution of non-zero elements in the upper and lower triangular matrices of a sparse matrix. The x-axis, labeled 'Upper Triangular Matrix', ranges from 0 to 60. The y-axis, labeled 'Lower Triangular Matrix', ranges from 0 to 10. The histogram consists of numerous gray bars, indicating the frequency of different combinations of non-zero elements. A notable dark gray bar is located at approximately (10, 5), suggesting a higher frequency of matrices with 10 non-zero elements in the upper triangle and 5 in the lower triangle. The distribution is concentrated in the lower-left region of the plot, with most values for both triangles being below 30.

