

A heatmap visualization showing the spike counts for 10 spikes across 100 trials. The x-axis is labeled 'Spike Number' and ranges from 1 to 10. The y-axis represents the trials, indexed from 1 to 100. The color scale ranges from dark blue (low spike count) to red (high spike count). The plot shows a complex pattern of spike counts, with some spikes (e.g., Spike 1, Spike 3, Spike 5, Spike 7, Spike 9) showing higher counts in certain trials, while others (e.g., Spike 2, Spike 4, Spike 6, Spike 8, Spike 10) show lower counts. The overall distribution is non-uniform, indicating variability in spike counts across trials.

