

A heatmap visualization showing the frequency of the 1000 most frequent 3-bit patterns in the English language. The x-axis represents the year (from 2017 to 1927), and the y-axis represents the frequency (from 0 to 80). The color scale indicates the frequency of the patterns, with a legend on the right showing the mapping from 3-bit patterns to colors: 111 (dark red), 110 (red), 101 (orange), 011 (light orange), 100 (yellow), 010 (light green), 001 (green), and 000 (dark green). The heatmap shows a significant increase in frequency for the 111 pattern starting around 1967, peaking around 1957, and then declining. The 100 pattern shows a sharp increase starting around 1967, peaking around 1957, and then declining. The 000 pattern shows a sharp increase starting around 1967, peaking around 1957, and then declining.