

A histogram showing the distribution of the number of iterations required for the EM algorithm to converge. The x-axis is labeled 'Iteration' and ranges from -1 to 3. The y-axis represents frequency, ranging from 0 to 6000. The distribution is highly right-skewed, with a sharp peak at 0 iterations, reaching a frequency of approximately 6500. A vertical red line is drawn at x=0, indicating the point of convergence for all trials.