

The plot displays the control signal Y_i on the y-axis against the 'Iteration Number' on the x-axis, ranging from 0 to 300. The signal is represented by a series of black dots connected by lines, showing high-frequency noise. A horizontal dashed line at $Y_i = 0.5$ is labeled 'Control Limit'. A vertical dotted line at iteration 265 is labeled 'Control Window Boundary'. A red dot at iteration 275 is labeled 'Z-Violation'.

Summary Statistics