

Figure 1 is a log-log plot showing the Type I error rate (x-axis) versus the Type II error rate (y-axis) for different values of QTN. The x-axis ranges from 0.001 to 0.100, and the y-axis ranges from 0.001 to 0.100. The plot displays seven curves corresponding to different QTN values: 0.3, 0.2, 0.1, 0.05, 0.02, 0.01, and 0. The curves are ordered by QTN value, with QTN=0.3 having the highest Type II error rate for a given Type I error rate. The curves for QTN=0.01 and QTN=0 are nearly identical and show the lowest Type II error rates.

