

A histogram showing the distribution of  $u_2$  values. The x-axis is labeled  $u_2$  and ranges from 0.0 to 1.0 with major ticks every 0.2. The y-axis represents frequency, ranging from 0 to 40 with major ticks every 10. The histogram consists of 10 bars, each with a width of 0.1. The approximate frequencies for each bin are: 0.0-0.1: 41, 0.1-0.2: 39, 0.2-0.3: 40, 0.3-0.4: 40, 0.4-0.5: 39, 0.5-0.6: 41, 0.6-0.7: 37, 0.7-0.8: 41, 0.8-0.9: 42, and 0.9-1.0: 40.