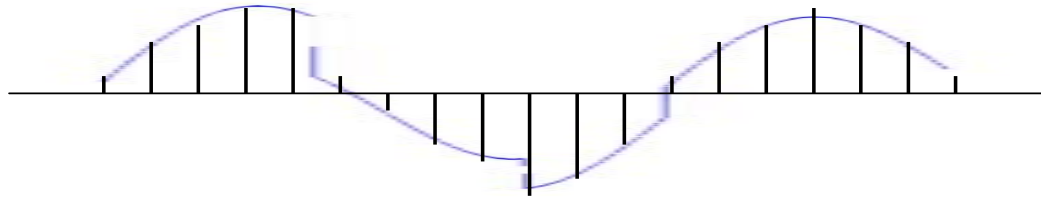


Data Acquisition

- Shannon-Nyquist sampling theorem:
no information loss if we sample at 2x the bandwidth



- DSP revolution: sample then process
- Trends (demands):
 - faster sampling
 - larger dynamic range
 - higher-dimensional data
 - lower energy consumption
 - new sensing modalities