**Scenario #1 (Technical):**

- Length Tolerance = +/- 2mm, 4sigma
- Length Tolerance = +/- 1mm, 3sigma
- Length Tolerance = +/- 1.5mm, 3sigma
- Length Tolerance = +/- 0.5mm, 2sigma
- Length Tolerance = +/- 1mm, 2.5sigma
- Length Tolerance = +/- 0.8mm, 2sigma

- Estimate variation for gap X[mm].
- Estimate how many assemblies fail?

**Scenario #2 (Processing):**

- Time = +/- 2min, 4sigma
- Time = +/- 1min, 3sigma
- Time = +/- 1.5min, 3sigma
- Time = +/- 0.5min, 2sigma
- Time = +/- 1min, 2.5sigma
- Time = +/- 0.8min, 2sigma

- Estimate variation of Customer serving time.
- Estimate how many Customer is not served on time (pre-agreed processing time)?