

Statistical Process Control Methods

# Process Evaluation

**Evaluate** your process using 1 of the following:

* Use the lean concept to find ways to eliminate waste and improve the process
* SPC or Six Sigma to reduce defects or variances in the process

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| <Write your evaluation here> |

# Evaluation of Control Chart and Process Metrics

**Complete** the following in Excel:

* Calculate the defined process metrics including variation and process capability.
* Develop and display a control chart for the process.

**Evaluate** the control chart and process metrics using Statistical Process Control (SPC) methods. Determine whether the process could benefit from the use of Six Sigma, Lean, or other tools. (Include all calculation and charts.)

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| <Write your evaluation here> |

# Executive Summary

**Write** a 700-word executive summary that includes the following:

* A summary of the Process Evaluation (using either Lean or SPC or Six Sigma)
* A summary of the Evaluation of Control Chart and Process metrics based on SPC methods
* A summary of your evaluation of whether the process would benefit from the use of Six Sigma, Lean, or other tools
* A description of the SPC project and recommendations for improvements

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| <Write your executive summary here> |