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# Process monitoring of PCMM process using data based model

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## Problem

The objective is to find a appropriate data based model relating the given process data and use the developed model for process monitoring.

## Solution

GDPL approached the objective in two ways:

- Developed PCA and KPCA model and used for process monitoring using Type 1 and Type 2 error concept.
- Used various data modeling approaches such as PCA, KPCA, PCR, KPCR and PLS to develop model in relating process variables.
- GDPL used MATLAB for coding the model and for demonstrations