

Principal component analysis

In class activities

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Activities

1. Explore discriminant analysis by following steps given in [lda_qda_example.mlx](#).
2. Explore PCA analysis by following steps given in [pca_example.mlx](#).
3. Explore multivariate analysis for process monitoring using the MSPC app (GIEM, 2023).
4. Explore PLS modeling by following steps given in [pls_example.mlx](#).

Reference

GIEM (2023). A benchmark software for MSPC (<https://www.mathworks.com/matlabcentral/fileexchange/47169-a-benchmark-software-for-mspc>), MATLAB Central File Exchange. Retrieved August 27, 2023.