

# Anomaly Detection Algorithms and techniques

## NEAREST-NEIGHBOR BASED ALGORITHMS:

k-NN

Local Outlier Factor (LOF)

Connectivity-based Outlier Factor (COF)

Local Outlier Probability (LoOP)

Influenced Outlierness (INFLO)

Local Correlation Integral (LOCI)

## CLUSTERING BASED ALGORITHMS

Cluster based Local Outlier Factor (CBLOF)

Local Density Cluster based Outlier Factor (LDCOF)

## CLASSIFICATION BASED ALGORITHMS:

Neural Networks

Bayesian Networks

Decision Tree

Rule-based

## STATISTICS BASED TECHNIQUES:

Parametric techniques

Non-parametric techniques