

LIST OF ABBREVIATIONS

ASFFS	-	Adaptive Sequential Forward Floating Selection
CBFS	-	Correlation Based Feature Selection
EDA	-	Estimation of Distribution Algorithms
EUBAFES	-	Euclidean Based Feature Selection
FCBF	-	Fast Correlated Based Filter
FPR	-	False Positive Rate
FP	-	False Positive
FN	-	False Negative
FSA	-	Feature Selection Algorithm
GFSIC	-	Genetic Feature Selection with Inconsistency Criterion
GR	-	Gain Ratio
IBK	-	Instance Based K Nearest Neighbour
LDA	-	Linear Discriminant Analysis
LVF	-	Las Vegas Feature Selection
ML	-	Machine Learning
MLP	-	Multi Layer Perceptron
MCA	-	Multiple Correspondence Analysis
M-MCA	-	Modified - Multiple Correspondence Analysis
MRMR	-	Minimum Redundancy Maximum Relevance
NPV	-	Negative Predictive Value
NB	-	Naive Bayes
ONE R	-	One Rule
PPV	-	Positive Predictive Value
PCA	-	Principal Component Analysis
PSO	-	Particle Swarm Optimization
PRC	-	Precision Recall Characteristic Curve
RRCT	-	Relevance, Reduncy and Complementarity Trade off

SVM	-	Support Vector Machines
SWRF*	-	Sigmoid Weighted Relief F*
SA	-	Simulated Annealing
SBFCV	-	Sensitivity Based Feature Selection with V-Fold Cross Validation
SNP	-	Single Nucleotide Polymorphism
SFFS	-	Sequential Floating Forward Selection
SBS	-	Sequential Backward Selection
SFS	-	Sequential Feature Selection
SNR	-	Signal to Noise Ratio
SURF	-	Speeded up Robust Features
TBFS	-	Threshold Based Feature Selection
TURF	-	Total Unduplicated Research and Frequency
TN	-	True Negative
TPR	-	True Positive Rate
TP	-	True Positive
UCI	-	University of California, Irvine

LIST OF SYMBOLS

α	-	Alpha
\approx	-	Approximately equal
ε	-	Belongs to
β	-	Beta
χ^2	-	Chi-square
Δ	-	Delta
∂	-	Dow
$f(\cdot)$	-	Function
Λ	-	Greek Lamda
\int	-	Integral
λ	-	Lamda
$<$	-	Less than
μ	-	Mean
ϕ	-	Phi
σ	-	Sigma
Σ	-	Summation
θ	-	Theta
σ^2	-	Variance