

LIST OF SYMBOLS AND ABBREVIATIONS

SYMBOLS

- \in - Belongs to
- \sum - Summation
- ρ - Density
- $\|$ - Norm
- σ - Standard Deviation
- \cup - Union
- \neq - Not Equal to

ABBREVIATIONS

- AMLALL - Acute Myeloid Leukemia
- ANN - Artificial Neural Network
- BQMP - Binary Quaternion Moment Preserving
- BMI - Body Mass Index
- CBB - Cluster Based Boosting
- CHIC - Comparing Histograms by Clustering
- CAD - Computer-Aided Diagnosis
- DSS - Decision Support Systems
- DTW - Dynamic Time Warping
- FEL - Food Exchange List
- FFQ - Food Frequency Questionnaire
- FCM - Fuzzy Cognitive Map
- FML - Fuzzy Markup Language
- FNN - Fuzzy Neural Network
- FRS - Fuzzy Rough Sets

FS	-	Fuzzy Sets
HCA	-	Hierarchical Clustering Algorithm
HDL	-	High Density Lipoprotein
IG	-	Information Gain
IDRA	-	Intelligent Diet-Recommendation Agent
KNN	-	K-Nearest Neighbor
KDD	-	Knowledge Discovery in Data
LED	-	Light Emitting Diode
MKL	-	Multiple Kernel Learning
NFS	-	Neuro Fuzzy System
PDA	-	Personal Digital Assistive
QPP	-	Quadratic Programming Problems
ROI	-	Region of Interest
RS	-	Rough Sets
SIFT	-	Scale Invariant Feature Transform
SVM	-	Support Vector Machine
EMD	-	the Earth Mover's Distance
TSP	-	Time Constrained Sequential Patterns
TWSVM	-	Twin Support Vector Machine
T1DM	-	Type1 Diabetes Mellitus
T2DM	-	Type2 Diabetes Mellitus
T2FFO	-	Type2 Fuzzy Food Ontology
T2FO	-	Type2 Fuzzy Ontology
T2FPPO	-	Type2 Fuzzy Persona Profile Ontology
T2FPFO	-	Type2 Fuzzy Personal Food Ontology
T2FS	-	Type2 Fuzzy Set
UCI	-	Unclassified Control Information
VGA	-	Video Graphics Array
WHO	-	World Health Organization