LIST OF FIGURES

LIST OF TABLES

LIST OF ABBREVIATIONS

Abbreviation	Description
ACO	Ant Colony Optimization
ANN	Artificial Neural Networks
ANOVA	Analysis of Variance
BFPA	Binary Flower Pollination Algorithm
BIF	Best Individual Features
BoW	Bag-of-Word
BRR	Burst Review Ratio
CFS	Correlation-based Feature Selection
CFV	Candidate Feature Vector
ECL	Ensemble Classification
EM	Expectation Maximization
EM_ESVM	Hybrid Model Using EM in Step 1 and ESVM in Step 2
EoC	Ensemble of Classifier
ERD	Early Rating Deviation
ES	Ensemble SVM Classification System
ES_SO	Enhanced Ensemble SVM Classification System with Speed Optimizers
ES_SO+ED	Enhanced Ensemble SVM Classification System with Speed Optimizers and Euclidean Distance Measure
ES_SO+MD	Enhanced Ensemble SVM Classification System with Speed Optimizers and Mahalanobis Distance Measure
ESVM	Enhanced SVM
ETF	Early Time Frame
eWOM	Electronic Word of Mouth
FCR	Feature to Class Relationship
FFR	Feature to Feature Relationship

FN	False Negative
FP	False Positive
FS	Feature Selection
FS_ACO	Feature Selection Using ACO Algorithm
FS_ACO+GA	Feature Selection Using ACO + GA Algorithm
FS_MGA	Feature Selection Using FS_MIMG and ACO + GA Algorithm
FS_MIMG	Feature Selection using MRMR_IG and MRMR-MI Algorithm
FS_MRMR	Feature Selection using MRMR Algorithm
GA	Genetic Algorithms
GCS	Group Content Similarity
GD	Group Deviation
GRD	General Rating Deviation
GS	Group Size
HHS	Ham Hit Score
HMS	Ham Miss Score
iBPSO	Improved Binary Particle Swarm Optimization
ICS	Individual Content Similarity
ID3	Iterative Dichotomiser 3
IETF	Individual Early Time Frame
IG	Information Gain
IMC	Individual Member Coupling
IRD	Individual Rating Deviation
KDE	Novel Kernel Density Estimation
KM	K-Means
KM_ESVM	Hybrid Model Using KM in Step 1 and ESVM in Step 2
KNN	K-Nearest Neighbour
KNN_ESVM	Hybrid Model Using KNN in Step 1 and ESVM in Step 2
LASSO	Least Absolute Shrinkage and Selection Operator

LSTM	Long Short Term Memory
MCS	Member Content Similarity
MI	Mutual Information
ML	Machine Learning
MRMR	Maximum Relevant Minimum Redundant
MRMR-IG	Maximum Relevant Minimum Redundant-Information Gain
MRMR-MI	Maximum Relevant Minimum Redundant-Mutual Information
MS	Mean Shift
MS_ESVM	Hybrid Model Using MS in Step 1 and ESVM in Step 2
NB	Naive Bayes
NB_ESVM	Hybrid Model Using NB in Step 1 and ESVM in Step 2
NLP	Natural Language Processing
OSRD	Online Spam Detection System
PDF	Probability Distribution Function
POS	Part of Speech
PSO	Particle Swarm Optimization
PWCC	Product Word Composition Classifier
RDF	Radial Basis Function
RGS	Ratio of Group Size
ROC	Receiver Operating Characteristic
RVP	Ratio of Verified Purchase
SAGE	Sparse Additive Generative
SAMS	Sentiment Attribute Matching Stack
SBS	Sequential Backward Selection
SC	Support Count
SFS	Sequential Forward Selection
SHS	Spam Hit Score

SMS	Spam Miss Score
SRM	Structural Risk Minimization
SU	Symmetrical Uncertainty
SVM	Support Vector Machine
SVM_ESVM	Hybrid Model Using SVM in Step 1 and ESVM in Step 2
SVM_KM_ESVM	Hybrid Model Using SVM, KM in Step 1 and ESVM in Step 2
SWNN	Sentence Weight Neural Network
TF	Term Frequency
TG	Targeting Group
TN	True Negative
TP	True Positive
TW	Time Window
USC	Uncorrelated Shrunken Centroid
WWW	World Wide Web