

List of abbreviations

Sl	Abbreviation	Description
1	AOI	Area of Interest
2	ABM	Agent-Based Modeling
3	ARIMA	Auto Regressive Integrated Moving Average
4	CNNs	Convolutional Neural Networks
5	CWMI	Composite Water Management Index
6	DBSCAN	Density-Based Spatial Clustering of Applications with Noise
7	DIANA	DIvisive ANAlysis
8	EC	Error of Commission
9	EO	Error of Omission
10	EOS	Earth Observation Satellite
11	ETM+	Enhanced Thematic Mapper Plus
12	GANs	Generative Adversarial Networks
13	GCNs	Graph Convolutional Networks
14	GIS	Geographic Information System
15	GMM	Gaussian Mixture Models
16	GMM	Constrained Gaussian Mixture Models
17	GPS	Global Positioning System
18	HOG	Histogram of Oriented Gradients
19	ICA	Independent Component Analysis
20	ISODATA	Iterative Self-Organizing Data Analysis Technique

21	KC	Kappa Coefficient
22	k-NN	K-Nearest Neighbors
23	LBP	Local Binary Patterns
24	LULC	Land Use and Land Cover
25	MA _s	Metropolitan Areas
26	MLC	Maximum Likelihood Classification algorithm method
27	MSS	Multispectral Scanner
28	NASA	National Aeronautics and Space Administration
29	NDVI	Normalized Difference Vegetation Index
30	OA	overall accuracy
31	OLI	Operational Land Imager
32	PA	producer's accuracy
33	PAM	Partitioning Around Medoids
34	PDDP	Principal Direction Divisive Partitioning
35	RS	Remote Sensing
36	S3VM	Semi-Supervised Support Vector Machine
37	SCEC	Supervised Clustering using Evolutionary Computing
38	SDGs	Sustainable Development Goals
39	SIFT	Scale-Invariant Feature Transform
40	SPAM	Supervised Partitioning Around Medoids
41	SPAM	Supervised Partitioning Around Medoids
		Single Representative Insertion/Deletion Steepest Decent Hill
42	SRIDHCR	Climbing with Randomized Restart

	Supervised t-	
43	SNE	t-Distributed Stochastic Neighbor Embedding
44	SURF	Speeded-Up Robust Features
45	SVM	Support Vector Machines
46	TDS	Top-Down Splitting Algorithm
47	TIRS	Thermal Infrared Sensor
48	TM	Thematic Mapper
49	TM	Thematic Mapper
50	UA	user's accuracy
51	USGS	United States Geological Survey
52	UTM	Universal Transverse Mercator
53	ISODATA	Iterative Self-Organizing Data Analysis Technique