

**ICAR-Indian Agricultural Statistics Research Institute,
Library Avenue, Pusa, New Delhi 110 012**

R packages Developed/Github Resources

S#	Name/Title/ URL	Authors	Year	Download/ Installation as on 27.08.2025 https://www.data-science-meta.com/rpackages
R Packages Developed				
1.	GSAQ: Gene Set Analysis with Quantitative Trait Loci for Microarrays Gene Expression Studies. Available at metaCluster https://CRAN.R-project.org/package=GSAQ	Samarendra Das	2016	31706
2.	BootMRMR: Bootstrap-MRMR Technique for Informative Gene Selection. Available at https://CRAN.R-project.org/package=BootMRMR	Samarendra Das	2016	36806
3.	dhga: Differential Hub Gene Analysis. Available at https://CRAN.R-project.org/package=dhga	Samarendra Das and Baidya Nath Mandal	2016	29064
4.	WaveLetLongMemory: Estimating Long Memory using wavelets. Available at https://CRAN.R-project.org/package=WaveLetLongMemory	Ranjit Kumar Paul and Sandipan Samanta	2017	15060
5.	TSF: Two Stage Forecasting (TSF) for Long Memory Time Series in Presence of Structural Break. Available at https://CRAN.R-project.org/package=TSF	Sandipan Samanta, Ranjit Kumar Paul and Dipankar Mitra	2017	23304
6.	minimalRSD: Minimally Changed CCD and BBD. https://CRAN.R-project.org/package=minimalRSD	Shwetank Lal, Eldho Varghese, Seema Jaggi, Cini Varghese and Arpan Bhowmik	2017	33076

7.	<i>corrDNA</i> : Finding Associations in Position-Wise Aligned DNA Sequence Dataset. R package version 1.0.1. Available at https://CRAN.R-project.org/package=corrDNA	Prabina Kumar Meher	2018	24811
8.	<i>VIRF</i> : Computation of Volatility Impulse Response Function of Multivariate Time Series. Available at https://CRAN.R-project.org/package=VIRF	Ranjit Kumar Paul and Ankit Tanwar	2019	16183
9.	<i>WaveletANN</i> : Wavelet ANN Model. Available at https://CRAN.Rproject.org/package=WaveletANN	Ranjit Kumar Paul	2019	20933
10.	<i>funbarRF</i> : Fungal Species Identification using DNA Barcode with Random Forest. R package version 1.0.2. Available at https://cran.r-project.org/src/contrib/Archive/funbarRF/	Prabina Kumar Meher	2019	2839
11.	<i>EncDNA</i> : Encoding of Nucleotide Sequences into Numeric Feature Vectors. R package version 1.0.2. Available at https://CRAN.R-project.org/package=EncDNA	Prabina Kumar Meher	2019	28340
12.	<i>ispd</i> : Incomplete Split-Plot Designs. https://cran.r-project.org/web/packages/ispd/index.html	Baidya Nath Mandal, Sukanta Dash, Rajender Parsad	2019	19426
13.	<i>STGS</i> : Genomic Selection using Single Trait https://cran.r-project.org/web/packages/STGS/STGS.pdf (https://cran.r-project.org/web/packages/STGS/index.html)	Neeraj Budhlakoti, DC Mishra, Anil Rai, KK Chaturvedi	2019	12036
14.	<i>varEst</i> : Variance Estimation. https://cran.r-project.org/web/packages/varEst/index.html	Sayanti Guha Majumdar, Anil Rai, and Dwijesh Chandra Mishra	2019	17058
15.	<i>GSelection</i> : Genomic Selection. https://cran.r-project.org/web/packages/GSelection/index.html	Sayanti Guha Majumdar, Anil Rai, Dwijesh Chandra Mishra	2019	18677
16.	<i>MSGARCHelm</i> : Hybridization of MS-GARCH and ELM Model. Available at https://cran.rproject.org/web/packages/MSGARCHelm/index.html	Rajeev Ranjan Kumar, GK Jha and N. Budhlakoti	2020	12948

17.	<i>SBAGM</i> : Search Best ARIMA, GARCH, and MS-GARCH Model. Available at https://cran.r-project.org/web/packages/SBAGM/index.html	Rajeev Ranjan Kumar, GK Jha and DC Mishra	2020	12378
18.	<i>PredCRG</i> : Computational Prediction of Proteins Encoded by Circadian Genes. R package version 1.0.2. Available at https://CRAN.R-project.org/package=PredCRG	Prabina Kumar Meher	2020	12273
19.	<i>BayesARIMAX</i> : Bayesian Estimation of ARIMAX Model. Available at https://cran.r-project.org/web/packages/BayesARIMAX/index.html	Achal Lama, KN Singh and Bishal Gurung	2020	27072
20.	<i>WaveletGARCH</i> : Fit the Wavelet-GARCH Model to Volatile Time Series Data. Available at https://CRAN.R-project.org/package=WaveletGARCH	Ranjit Kumar Paul, Sandipan Samanta and Ankit Tanwar	2020	28849
21.	<i>IGST</i> : Informative Gene Selection Tool. https://cran.r-project.org/web/packages/IGST/index.html	Nitesh Kumar Sharma, Dwijesh Chandra Mishra, Neeraj Budhlakoti and Md. Samir Farooqi	2020	16702
22.	<i>GreyModel</i> : Fitting and Forecasting of Grey Model. Available at https://cran.r-project.org/web/packages/GreyModel/index.html	Mrinmoy Ray, Rajeev Ranjan Kumar, KN Singh, Ramasubramanian V and K Sinha	2021	13122
23.	<i>tsfngm</i> : Title Time Series Forecasting using Nonlinear Growth Models. Available at https://cran.r-project.org/web/packages/tsfngm/index.html	Mrinmoy Ray, KN Singh, K Sinha, Rajeev Ranjan Kumar and P. Kumar	2021	11744
24.	<i>EMDANNhybrid</i> : Ensemble Machine Learning Hybrid Model. Available at https://cran.rproject.org/web/packages/EMDANNhybrid/EMDANNhybrid.pdf	P Das, Achal Lama and GK Jha	2021	13026

25.	<i>EMDSVRhybrid</i> : Hybrid Machine Learning Model. Available at https://cran.r-project.org/web/packages/EMDSVRhybrid/index.html	P Das, Achal Lama and GK Jha	2021 2023	12959
26.	<i>ECTTDNN</i> : Cointegration Based Timedelay Neural Network Model. Available at https://cran.r-project.org/web/packages/ECTTDNN/ECTTDNN.pdf	P Das, Achal Lama and GK Jha	2021	12015
27.	<i>MARSANNhybrid</i> : ARS Based ANN Hybrid Model. Available at https://cran.rstudio.com/web/packages/MARSANNhybrid/MARSANNhybrid.pdf	P Das, Achal Lama and G K Jha	2021	11044
28.	<i>MARSSVRhybrid</i> : MARS SVR Hybrid. Available at https://cran.rstudio.com/web/packages/MARSSVRhybrid/MARSSVRhybrid.pdf	P Das, Achal Lama and GK Jha	2021	11191
29.	<i>eemdTDNN</i> : EEMD and Its Variant Based Time Delay Neural Network Model. Available at https://cran.r-project.org/web/packages/eemdTDNN/index.html	Kapil Choudhary, GK Jha, Rajeev Ranjan Kumar and Ronit Jaiswal	2021	13057
30.	<i>EEMDelm</i> : Ensemble Empirical Mode Decomposition and Its Variant Based ELM Model. Available at https://cran.r-project.org/web/packages/EEMDelm/index.html	GK Jha, Kapil Choudhary, Rajeev Ranjan Kumar and Jaiswal Ronit	2021	14614
31.	<i>stlTDNN</i> : STL Decomposition and TDNN Hybrid Time Series Forecasting. Available at https://cran.r-project.org/web/packages/stlTDNN/index.html	GK Jha, Ronit Jaiswal, Kapil Choudhary, Rajeev Ranjan Kumar	2021	9712
32.	<i>stlELM</i> : Hybrid Forecasting Model Based on STL Decomposition and ELM. Available at https://cran.r-project.org/web/packages/stlELM/index.html	GK Jha, Ronit Jaiswal, Kapil Choudhary and Rajeev Ranjan Kumar	2021	12158
33.	<i>tsfngm</i> : Time Series Forecasting using Nonlinear Growth Models. Available at https://CRAN.R-project.org/package=tsfngm	Mrinmoy Ray, KN Singh, Sinha Kanchan, Kumar Rajeev Ranjan and Prakash Kumar	2021	11744
34.	<i>pbbd</i> : Position Balanced and Nearly Position Balanced Block Designs. https://cran.r-project.org/web/packages/pbbd/index.html	Baidya Nath Mandal, Pramod Katore,	2021	7444

		Sukanta Dash and Rajender Parsad		
35.	<i>iRoCoDe</i> : Incomplete Row-Column Designs. https://CRAN.R-project.org/package=iRoCoDe	Sayantani Karmakar, Md. Ashraful Haque, Cini Varghese, Seema Jaggi, Eldho Varghese and Mohd. Harun.	2021	13637
36.	<i>QuadRoot</i> : Quadratic Root for any Quadratic Equation. https://CRAN.R-project.org/package=QuadRoot	P Das	2021	17206
37.	<i>EEMDSVR</i> : Ensemble Empirical Mode Decomposition and Its Variant Based Support Vector Regression Model. https://CRAN.R-project.org/package=EEMDSVR .	P Das, Kapil Choudhury, GK Jha and Achal Lama	2021	10466
38.	<i>LARGB</i> : Leaf Area Determination from Visual Image. https://cran.r-project.org/package=LARGB	Tanuj Misra, Alka Arora, Sudeep Marwaha, S Kumar, Mrinmoy Ray, Kumar S and P Das	2021	00
39.	<i>TSGS</i> : Trait Specific Gene Selection using SVM and GA https://cran.r-project.org/web/packages/TSGS/TSGS.pdf (https://github.com/SudhirSrivastava/TSGS)	Md. Samir Farooqi, Krishan Kumar Chaturvedi, DC Mishra, Sudhir Srivastava	2021	9236
40.	<i>stlARIMA</i> : STL Decomposition and ARIMA Hybrid Forecasting Model. https://cran.r-project.org/package=stlARIMA	Ronit Jaiswal, Girish Kumar Jha, Rajeev Ranjan Kumar, and Kapil Choudhary	2021	9846
41.	<i>BayesBEKK</i> : Bayesian Estimation of Bivariate Volatility Model. Available at https://cran.r-project.org/web/packages/BayesBEKK/index.html	Achal Lama, GK Jha, KN Singh and Bishal Gurung	2022	23266

42.	<i>AutoWeatherIndices</i> : Calculating Weather Indices. Available at https://cran.r-project.org/web/packages/AutoWeatherIndices/index.html	Achal Lama, KN Singh and Bishal Gurung	2022	7947
43.	<i>TSSVM</i> : Time Series Forecasting using SVM Model. Available at https://cran.r-project.org/web/packages/TSSVM/index.html	Mrinmoy Ray, S Barman, Kanchan Sinha and KN Singh	2022	6020
44.	<i>ARIMAANN</i> : Time Series Forecasting using ARIMA-ANN Hybrid Model. Available at https://cran.r-project.org/web/packages/ARIMAANN/index.html	Ramasubramanian V and Mrinmoy Ray	2022	11077
45.	<i>TSdeeplearning</i> : Deep Learning Model for Time Series Forecasting. Available at https://CRAN.R-project.org/package=TSdeeplearning	Ronit Jaiswal, GK Jha GK, Kapil Choudhary and Rajeev Ranjan Kumar	2022	8942
46.	<i>WaveletSVR</i> : Wavelet-SVR Hybrid Model for Time Series Forecasting. Available at https://CRAN.R-project.org/package=WaveletSVR	Ranjit Kumar Paul and Md. Yeasin	2022	6744
47.	<i>WaveletRF</i> : Wavelet-RF Hybrid Model for Time Series Forecasting. Available at https://CRAN.R-project.org/package=WaveletRF	Ranjit Kumar Paul, Md. Yeasin	2022	7091
48.	<i>TSLSTM</i> : Long Short Term Memory (LSTM) Model for Time Series Forecasting. Available at https://CRAN.R-project.org/package=TSLSTM	Ranjit Kumar Paul and Md. Yeasin	2022	13340
49.	<i>TSANN</i> : Time Series Artificial Neural Network. Available at https://CRAN.R-project.org/package=TSANN	Md. Yeasin, Ranjit Kumar Paul and Dipro Sinha	2022	11039
50.	<i>mkssd</i> : Efficient Multi-Level k-Circulant Supersaturated Designs version 1.2. https://cran.r-project.org/web/packages/mkssd/index.html	Baidya Nath Mandal	2022	49203
51.	<i>mxkssd</i> : Efficient Mixed-Level k-Circulant Supersaturated Designs. Version 1.2. https://cran.r-project.org/web/packages/mxkssd/index.html	Baidya Nath Mandal	2022	48466

52.	<i>GETdesigns</i> : Generalized Extended Triangular Designs ('GETdesigns') Version 1.2.0. https://CRAN.R-project.org/package=GETdesigns	Mohd Harun, Cini Varghese and Ashutosh Dalal	2022	7110
53.	<i>NBBDesigns</i> : Neighbour balanced block designs. https://CRAN.R-project.org/package=NBBDesigns	Eldho Varghese, Ashutosh Dalal, Seema Jaggi, Arpan, Bhowmik and Cini Varghese	2022	9611
54.	<i>rsdNE</i> : Response surface designs with neighbor effects. https://CRAN.R-project.org/package=rsdNE	Ashutosh Dalal, Seema Jaggi, Eldho Varghese, Subhasish Sarkar, Arpan Bhowmik, Cini Varghese, Anindita Datta and Soumen Pal	2022	11053
55.	<i>PolycrossDesigns</i> : Polycross Designs ("PolycrossDesigns"). R package version 1.1.0. https://cran.r-project.org/package=PolycrossDesigns	Cini Varghese, Seema Jaggi Eldho, Varghese Ashutosh, Dalal and Arpan Bhowmik	2022	8445
56.	<i>ResPBIBD</i> : "Resolvable Partially Balanced Incomplete Block Designs (PBIBDs)". version 0.1.0. https://cran.r-project.org/package=ResPBIBD	LN Vinaykumar, Cini Varghese, Modh. Harun and Sayantani Karmakar	2022	5288
57.	<i>FMC</i> : Factorial Experiments with Minimum Level Changes. https://cran.r-project.org/package=FMC	Shwetank Lall, Arpan, Bhowmik, Eldho Varghese, Seema Jaggi and CiniVarghese	2022	42775
58.	<i>eemdARIMA</i> : EEMD Based Auto Regressive Integrated Moving Average Model. Version 0.1.0 https://CRAN.R-project.org/package=eemdARIMA	Rajeev Ranjan Kumar, Girish Kumar Jha, Kapil Choudhary, and Ronit Jaiswal	2022	9465

59.	EEMDlstm: EEMD Based LSTM Model for Time Series Forecasting. https://cran.r-project.org/package=EEMDlstm	Kapil Choudhary, Girish Kumar Jha, Ronit Jaiswal, Rajeev Ranjan Kumar	2022	7238
60.	vmdTDNN: VMD Based Time Delay Neural Network Model. https://cran.r-project.org/package=vmdTDNN	Kapil Choudhary, Girish Kumar Jha, Rajender Parsad, and Ronit Jaiswal	2022	7248
61.	<i>compindPCA</i> : Computation of Relative Weights of Variables and Composite Index Values Based on PCA. Available at https://CRAN.R-project.org/package=compindPCA	Sudipta Paul, Rajeev Ranjan Kumar, Mrinmoy Ray, Biswajit Mondal and Prakash Kumar	2023	4935
62.	<i>decompDL</i> : Decomposition Based Deep Learning Models for Time Series Forecasting. Available at https://cran.r-project.org/package=decompDL	Kapil Choudhary, GK Jha, Ronit Jaiswal and Rajeev Ranjan Kumar	2023	3846
63.	<i>BaseTempSeed</i> : Estimation of Seed Germination Base Temperature in Thermal Modelling. Available at https://cran.r-project.org/web/packages/BaseTempSeed/index.html	Himadri Ghosh, Saikath Das and Md.Yeasin	2023	17729
64.	<i>ABSurvTDC</i> : Survival Analysis using Time Dependent Covariate for Animal Breeding. Available at https://cran.r-project.org/web/packages/ABSurvTDC/index.html	Himadri Ghosh, Saikath Das, Md.Yeasin and Amrit Kumar Paul	2023	8793
65.	<i>HadIBDs</i> : Incomplete Block Designs using Hadamard Matrix (HadIBDs). https://CRAN.R-project.org/package=HadIBDs	Mohd. Harun, Cini Varghese and Ashutosh Dalal	2023	4567
66.	<i>MixedLevelRSDs</i> : Mixed Level Response Surface Designs. https://CRAN.R-project.org/package=MixedLevelRSDs	Ankita Verma, Seema Jaggi, Eldho Varghese, Ashutosh Dalal, Cini Varghese, Arpan Bhowmik and Anindita Datta	2023	5342

67.	<i>Tri.Hierarchical.IBDs</i> : Tri-Hierarchical IBDs (Tri- Hierarchical Incomplete Block Designs). https://CRAN.R-project.org/package=Tri.Hierarchical.IBDs	Nehatai Agashe, Cini Varghese, Mohd. Harun and Ashutosh Dalal	2023	4726
68.	<i>ECTSVR</i> : Cointegration Based Support Vector Regression Model. CRAN: Package ECTSVR (r-project.org)	P Das	2023	4110
69.	<i>SpPOP</i> : Generation of Spatial Population under Different Levels of Relationships among Variables. https://cran.r-project.org/web/packages/SpPOP/index.html	NC Paul, A Rai A Biswas, Tauqueer Ahmad and PM Sahoo	2023	15994
70.	<i>MARSGWR</i> : A Hybrid Spatial Model for Capturing Spatially Varying Relationships Between Variables in the Data. CRAN: Package MARSGWR (r-project.org)	NC Paul, A Rai, A Biswas, Tauqueer Ahmad, DD Nangare and BB Gaikwad	2023	5544
71.	<i>GWRLASSO</i> :A Hybrid Model for Spatial Prediction Through Local Regression. https://cran.r-project.org/web/packages/GWRLASSO/index.html	NC Paul, A Rai, A Biswas, Tauqueer Ahmad, DD Nangare, BB Gaikwad and KS Reddy	2023	4231
72.	<i>SweepDiscovery</i> : Selective Sweep Discovery Tool. Available at https://cran.r-project.org/web/packages/SweepDiscovery/index.html	Abhik Sarkar, Dwijesh Chandra Mishra, Dipro Sinha, Saikath Das, Md Yeasin	2023	3156
73.	<i>EpiSemble</i> : Ensemble Based Machine Learning Approach for Predicting Methylation States. https://cran.r-project.org/web/packages/EpiSemble/index.html	Dipro Sinha, Sunil Archak, Dwijesh Chandra Mishra, Tanwy Dasmandal, Md Yeasin	2023	6773
74.	<i>Aoptbdtvc</i> : A-Optimal Block Designs for Comparing Test Treatments with Controls version 0.0.3. https://cran.r-project.org/web/packages/Aoptbdtvc/index.html	Baidya Nath Mandal, Sukanta Dash, Rajender Parsad]	2024	32150
75.	<i>TDSTNN</i> : Time Delay Spatio Temporal Neural Network. Available at https://cran.r-project.org/package=TDSTNN	Mrinmoy Ray, Rajeev Ranjan Kumar,	2024	1616

		Kanchan Sinha and KN Singh		
76.	<i>PMEvapotranspiration</i> : Calculation of the Penman-Monteith Evapotranspiration using Weather Variables. Available at https://cran.r-project.org/web/packages/PMEvapotranspiration/PMEvapotranspiration.pdf .	Himadri Shekhar Roy	2024	3653
77.	<i>HTSeed</i> : Seed Germination analysis using Hydro Time Model. Available at https://cran.r-project.org/web/packages/HTSeed/index.html .	Himadri Ghosh, Ritwika Das and Debopam Rakshit	2024	2733
78.	<i>CDVI</i> : Cuddy-Della Valle Index for Capturing the Instability in Time Series Data. Available at https://cran.r-project.org/web/packages/CDVI/index.html .	S Vishnu Shankar, Ranjit Kumar Paul, Md.Yeasin and Himadri Shekhar Roy	2024	3798
79.	<i>CGR</i> : Compound Growth Rate for Capturing the Growth Rate Over the Period. Available at https://cran.r-project.org/web/packages/CGR/index.html	S Vishnu Shankar, Ranjit Kumar Paul, Himadri Shekhar Roy and Md.Yeasin	2024	3860
80.	<i>PWEV</i> : PSO Based Weighted Ensemble Algorithm for Volatility Modelling. Available at https://cran.r-project.org/web/packages/PWEV/index.html	Ankit Kumar Singh, Ranjit Kumar Paul, Amrit Kumar Paul, Md. Yeasin and Anita Sarkar	2024	2602
81.	<i>InterNL</i> : Time Series Intervention Model Using Non-Linear Function. Available at https://cran.r-project.org/web/packages/InterNL/InterNL.pdf	Amrit Kumar Paul, Md. Yeasin, Ranjit Kumar Paul, Biswas Subhankar, Himadri Shekhar Roy and Prakash Kumar	2024	2613
82.	<i>ICompELM</i> : Independent Component Analysis Based Extreme Learning Machine. Available at https://cran.r-project.org/web/packages/ICompELM/index.html	Saikath Das, Ranjit Kumar Paul, Md.	2024	7266

		Yeasin and Amrit Kumar Paul		
83.	<i>DNAmotif</i> : DNA Sequence Motifs to create consensus segments or motifs through local alignment of dynamic programming with gap and it calculates the frequency of each identified motif. Available at https://cran.r-project.org/web/packages/DNAmotif/index.html	Subham Ghosh, UB Angadi, Md. Yeasin Md, Dipro Sinha and Saikath Das	2024	4058
84.	<i>OpEnHiMR</i> : Optimization Based Ensemble Model for Prediction of Histone Modifications in Rice. Available at https://cran.r-project.org/web/packages/OpEnHiMR/index.html	Dipro Sinha, Sneha Murmu, Girish Kumar Jha, Md Yeasin, Saikath Das, Sougata Bhattacharjee, Dwijesh Chandra Mishar, Neeraj Budhlakoti, Sudhir Srivastava and Sunil Archak	2024	7797
85.	<i>EEML</i> : Ensemble Explainable Machine Learning Models. Available at https://cran.r-project.org/web/packages/EEML/index.html	Md. Yeasin, Ranjit Kumar Paul and Dipanwita Haldar	2024	3508
86.	<i>CompExpDes</i> : Computer Experiment Designs. https://CRAN.R-project.org/package=CompExpDes	Ashutosh Dalal, Cini Varghese, Rajender Parsad and Mohd. Harun	2024	5603
87.	<i>slr</i> : Semi-Latin Rectangles, Version 1.3.0. https://cran.r-project.org/web/packages/slr/index.html	Kaushal Kumar Yadav, Sukanta Dash, Baidya Nath Mandal and Rajender Parsad	2024	3737
88.	<i>SlicedLHD</i> : Sliced Latin Hypercube Designs. https://cran.r-project.org/web/packages/SlicedLHD/index.html	A Anil Kumar, Baidya Nath Mandal, Rajender Parsad,	2024	7979

		Sukanta Dash and Mukesh Kumar		
89.	<i>mixOofA</i> : Design and Analysis of Order-of-Addition Mixture Experiments. https://ftp.oregonstate.edu/pub/cran/web/packages/mixOofA/index.html	A Muhsina, Baidya Nath Mandal, Rajender Parsad, Sukanta Dash and Kaushal Kumar Yadav	2024	1342
90.	<i>GRCdesigns</i> : Generalized Row-Column Designs. https://cran.r-project.org/package=GRCdesigns	Anindita Datta, Seema Jaggi, Cini Varghese, Eldho Varghese, Ashutosh Dalal and Arpan Bhowmik	2024	4581
91.	<i>pRepDesigns</i> : Version 1.1.0. https://cran.r-project.org/web/packages/pRepDesigns	L.N. Vinaykumar, Cini Varghese, Mohd Harun, Ashutosh Dalal, Sayantani Karmakar and Vinayaka	2024	6514
92.	<i>doofa</i> : Designs for Order-of-Addition Experiments. https://cran.r-project.org/web/packages/doofa/index.html	Baidya Nath Mandal, Rajender Parsad and Sukanta Dash	2024	1950
93.	<i>lfproQC</i> : Quality Control for Label-Free Proteomics Expression Data. https://cran.r-project.org/web/packages/lfproQC/lfproQC.pdf (https://cran.r-project.org/web/packages/lfproQC/index.html)	S Kabilan, Lal Shashi Bhushan, Sudhir Srivastava, Krishna Kumar Chaturvedi, K Yasin Jeshima, Ramasubramanian V and GK Jha	2024	3083
94.	<i>CoreMicrobiomeR</i> : Identification of Core Microbiome https://cran.r-project.org/web/packages/CoreMicrobiomeR/CoreMicrobiomeR.pdf	AM Sorna, Mohd. Samir Farooqi, Dwijesh Chandra Mishra, Krishan	2024	3553

	(https://cran.r-project.org/web/packages/CoreMicrobiomeR/index.html)	Kumar Chaturvedi, Anu Sharma, Prawin Arya, Sudhir Srivastava Sharanbasappa, GK Jha and S Kabilan		
95.	<i>PerMat</i> : Performance Metrics in Predictive Modeling. https://doi.org/10.32614/CRAN.package.PerMat CRAN: Package PerMat (r-project.org)	P Das	2024	7053
96.	<i>VMDML</i> : Variational Mode Decomposition Based Machine Learning Models. https://CRAN.R-project.org/package=VMDML	P Das, GK Jha, Tauqueer Ahmad, Achal Lama and L Mouselimis	2024	6876
97.	<i>metaCluster</i> : Metagenomic Clustering. https://cran.r-project.org/web/packages/metaCluster/index.html	Dipro Sinha, Sayanti Guha Majumdar, Anu Sharma, Dwijesh Chandra Mishra, Md Yeasin	2024	10839
98.	<i>GB5mcPred</i> : Gradient Boosting Algorithm for Predicting Methylation States. https://CRAN.R-project.org/package=GB5mcPred	Dipro Sinha, Sunil Archak, Dwijesh Chandra Mishra, Tanwy Dasmandal and Md Yeasin	2023	4602
99.	<i>SudokuDesigns</i> : Sudoku as an Experimental Design. https://CRAN.R-project.org/package=SudokuDesigns	Ashutosh Dalal, Cini Varghese, Rajender Parsad, Mohd Harun	2025	2456
100.	<i>OPTeCD</i> : Optimal Partial Tetra-Allele Cross Designs. https://CRAN.R-project.org/package=OPTeCD	Mohd Harun, Cini Varghese, Seema Jaggi, Eldho Varghese, Ashutosh Dalal	2024	4457

101.	<i>GenomicSig</i> : Computation of Genomic Signatures. https://CRAN.R-project.org/package=GenomicSig	Mailarlinga, Shashi Bhushan Lal, Anu Sharma, Dwijesh Chandra Mishra, Sudhir Srivastava, Sanjeev Kumar, Girish Kumar Jha, Sayanti Guha Majumdar, Megha Garg, Sharanbasappa and Kabilan S	2024	1878
102.	<i>minFactorial</i> : All Possible Minimally Changed Factorial Run Orders. https://CRAN.R-project.org/package=minFactorial	Arpan Bhowmik, Bijoy Chanda, Seema Jaggi, Eldho Varghese, Cini Varghese and Anindita Datta	2024	4701
103.	<i>hrtlFMC</i> : Half Replicate of Two Level Factorial Run Order with Minimum Level Changes. https://CRAN.R-project.org/package=hrtlFMC	Arpan Bhowmik, Eldho Varghese, Seema Jaggi, Bijoy Chanda, Anindita Datta, Tanuj Misra	2024	2752
104.	<i>ARMALSTM</i> : Fitting of Hybrid ARMA-LSTM Models. https://CRAN.R-project.org/package=ARMALSTM	Debopam Rakshit, Ritwika Das, Dwaipayan Bardhan	2024	4340

105.	AdIsMF: Adsorption Isotherm Model Fitting. https://CRAN.R-project.org/package=AdIsMF	Debopam Rakshit, Arkaprava Roy, K. M. Manjaiah, Siba Prasad Datta, Ritwika Das	2025	3253
106.	<i>TREDesigns</i> : Ternary Residual Effect Designs. version 1.0.0. https://CRAN.R-project.org/package=TREDesigns	Akhilesh Jha, Cini Varghese, Seema Jaggi, Mohd Harun, Ashutosh Dalal	2025	1359
107.	<i>MEDesigns</i> : Mating Environmental Designs. Version 1.0.0. https://CRAN.R-project.org/package=MEDesigns	Ashutosh Dalal, Cini Varghese, Rajender Parsad, Mohd Harun	2025	1943
108.	<i>decompML: Decomposition Based Machine Learning Model.</i> (Version 0.1.1) https://cran.r-project.org/web/packages/decompML/index.html	Girish Kumar Jha, Kapil Choudhary, Rajender Parsad, Ronit Jaiswal, Rajeev Ranjan Kumar, P Venkatesh, Dwijesh Chandra Mishra	2025	1185
Github Resources				
1.	<i>BSM</i> : Biologically Relevant Genes from High-dimensional Gene Expression Data. Available at https://github.com/sam-uofl/BSM	Samarendra Das	2016	239
2.	<i>OGS</i> : Outlier in Genomics Data, GitHub repository. Available at https://github.com/BudhlakotiN/OGS	Neeraj Budhlakoti, DC Mishra, Anil Rai and Rajeev Ranjan Kumar	2020	--

3.	<i>EDI</i> : Calculation of Effective Drought Index (EDI), GitHub repository. Available at https://github.com/rrk4910/EDI	Rajeev Ranjan Kumar, KN Singh, DC Mishra and Neeraj Budhlakoti	2020	--
4.	<i>SwarnSeq</i> : Analysis of Single cell RNA-sequencing data. Available at https://github.com/sam-uofl/SwarnSeq	Samarendra Das and Shesh N Rai	2021	--
5.	<i>GSQSeq</i> : Gene Set Analysis with QTL for RNA-sequencing Gene Expression Studies. Available at https://github.com/sam-uofl/GSQSeq	Samarendra Das and Shesh N Rai	2021	--
6.	<i>miRbiom</i> : Machine-Learning on Bayesian Causal Nets of RBP-miRNA interactions successfully predicts miRNA profiles. Available at https://github.com/SCBB-LAB/miRbiom	Upendra Kumar Pradhan, Nitesh Sharma, Prakash Kumar and Ravi Shankar	2021	--
7.	<i>RBPSpot</i> : Learning on appropriate contextual information for RBP binding sites discovery. Available at https://github.com/SCBB-LAB/RBPSpot	Nitesh Sharma, Sagar Gupta, Prakash Kumar, Upendra Kumar Pradhan and Ravi Shankar	2021	--
8.	<i>TEnGExA</i> : an R package based tool for tissue enrichment and gene expression analysis. Available at https://github.com/ubagithub/TEnGExA/	Hukam C Rawal, Ulavappa Angadi, and Tapan Kumar Mondal	2021	--

*Red marked are in archives