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.datasciencemeta.com/rpackages
R Packages Developed				
1.	*GSAQ*: Gene Set Analysis with Quantitative Trait Loci for Microarrays Gene Expression Studies. Available at 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.	*corrDNA*: 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.	*VIRF*: 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.	*WaveletANN*: Wavelet ANN Model. Available at https://CRAN.Rproject.org/package=WaveletANN	Ranjit Kumar Paul	2019	20933
10.	*funbarRF*: 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.	*EncDNA*: 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.	*ispd*: Incomplete Split-Plot Designs. https://cran.r-project.org/web/packages/ispd/index.html	Baidya Nath Mandal, Sukanta Dash, Rajender Parsad	2019	19426
13.	*STGS*: 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.	*MSGARCHelm*: 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
15.	*SBAGM*: 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
16.	*PredCRG*: 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

17.	*BayesARIMAX*: 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
18.	*WaveletGARCH*: 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
19.	*GreyModel:* 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
20.	*tsfngm:* 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
21.	*EMDANNhybrid:* 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
22.	*EMDSVRhybrid:* 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
23.	*ECTTDNN:* 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
24.	*MARSANNhybrid:* 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
25.	*MARSSVRhybrid:* MARS SVR Hybrid. Available at https://cran.rstudio.com/web/packages/MARSSVRhybrid/MARSSVRhybrid.pdf	P Das, Achal Lama and GK Jha	2021	11191

26.	*eemdTDNN*: 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
27.	*EEMDelm*: 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
28.	*stlTDNN*: 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
29.	*stlELM*: 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
30.	*tsfngm*: 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
31.	*pbbd*: Position Balanced and Nearly Position Balanced Block Designs. https://cran.r-project.org/web/packages/pbbd/index.html	Baidya Nath Mandal, Pramod Katore, Sukanta Dash and Rajender Parsad	2021	7444
32.	*iRoCoDe*: 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
33.	*QuadRoot*: Quadratic Root for any Quadratic Equation. https://CRAN.R-project.org/package=QuadRoot	P Das	2021	17206
34.	*EEMDSVR*: 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

35.	*LARGB*: 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
36.	*TSGS*: 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
37.	stlARIMA: 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
38.	*BayesBEKK*: 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
39.	*AutoWeatherIndices*: Calculating Weather Indices. Available at https://cran.r-project.org/web/packages/AutoWeatherIndices/index.html	Achal Lama, KN Singh and Bishal Gurung	2022	7947
40.	*TSSVM*: 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
41.	*ARIMAANN*: 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
42.	*TSdeeplearning*: 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

43.	*WaveletSVR*: 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
44.	*WaveletRF*: Wavelet-RF Hybrid Model for Time Series Forecasting. Available at https://CRAN.R-project.org/package=WaveletRF	Ranjit Kumar Paul, Md. Yeasin	2022	7091
45.	*TSLSTM*: 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
46.	*TSANN*: Time Series Artificial Neural Network. Available at https://CRAN.R-project.org/package=TSANN	Md. Yeasin, Ranjit Kumar Paul and Dipro Sinha	2022	11039
47.	*mkssd*: 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
48.	*mxkssd:* 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
49.	*GETdesigns*: 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
50.	*NBBDesigns*: Neighbour balanced block designs. https://CRAN.R-project.org/package=NBBDesigns	Eldho Varghese, Ashutosh Dalal, Seema Jaggi, Arpan, Bhowmik and Cini Varghese	2022	9611
51.	*rsdNE*: Response surface designs with neighbor effects. https://CRAN.R-project.org/package=rsdNE	Ashutosh Dalal, Seema Jaggi, Eldho Varghese, Subhasish Sarkar, Arpan Bhowmik, Cini	2022	11053

		Varghese, Anindita Datta and Soumen Pal		
52.	*PolycrossDesigns*: 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
53.	*ResPBIBD:* "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
54.	*FMC*: 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
55.	eemdARIMA: 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
56.	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
57.	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
58.	*compindPCA*: 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

59.	*decompDL*: 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
60.	*BaseTempSeed*: 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
61.	*ABSurvTDC*: 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
62.	*HadIBDs*: Incomplete Block Designs using Hadamard Matrix (HadIBDs). https://CRAN.R-project.org/package=HadIBDs	Mohd. Harun, Cini Varghese and Ashutosh Dalal	2023	4567
63.	*MixedLevelRSDs*: 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
64.	*Tri.Hierarchical.IBDs*: 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
65.	*ECTSVR:* Cointegration Based Support Vector Regression Model. CRAN: Package ECTSVR (r-project.org)	P Das	2023	4110
66.	*SpPOP:* 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
67.	*MARSGWR:* 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

68.	*GWRLASSO:*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
69.	*Aoptbdtvc*: 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
70.	*TDSTNN*: Time Delay Spatio Temporal Neural Network. Available at https://cran.r-project.org/package=TDSTNN	Mrinmoy Ray, Rajeev Ranjan Kumar, Kanchan Sinha and KN Singh	2024	1616
71.	*PMEvapotranspiratio*n: 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
72.	*HTSeed*: 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
73.	*CDVI*: 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
74.	*CGR*: 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
75.	*PWEV*: 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,	2024	2602

		Md. Yeasin and Anita Sarkar		
76.	*InterNL*: 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
77.	*ICompELM*: 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. Yeasin and Amrit Kumar Paul	2024	7266
78.	*DNAmotif*: 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
79.	*OpEnHiMR*: 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
80.	*EEML*: 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
81.	*CompExpDes*: Computer Experiment Designs. https://CRAN.R-project.org/package=CompExpDes	Ashutosh Dalal, Cini Varghese, Rajender	2024	5603

		Parsad and Mohd. Harun		
82.	*slr*: 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
83.	*SlicedLHD*: Sliced Latin Hypercube Designs. https://cran.r-project.org/web/packages/SlicedLHD/index.html	A Anil Kumar, Baidya Nath Mandal, Rajender Parsad, Sukanta Dash and Mukesh Kumar	2024	7979
84.	*mixOofA*: 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
85.	*GRCdesigns*: 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
86.	*pRepDesigns*: 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
87.	*doofa*: 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

88.	*lfproQC*: 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
89.	*CoreMicrobiomeR*: Identification of Core Microbiome https://cran.r-project.org/web/packages/CoreMicrobiomeR/CoreMicrobiomeR.pdf (https://cran.r-project.org/web/packages/CoreMicrobiomeR/index.html)	AM Sorna, Mohd. Samir Farooqi, Dwijesh Chandra Mishra, Krishan Kumar Chaturvedi, Anu Sharma, Prawin Arya, Sudhir Srivastava Sharanbasappa, GK Jha and S Kabilan	2024	3553
90.	*PerMat*: Performance Metrics in Predictive Modeling. https://doi.org/10.32614/CRAN.package.PerMat CRAN: Package PerMat (r-project.org)	P Das	2024	7053
91.	*VMDML:* 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
92.	*GB5mcPred*: 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
93.	SudokuDesigns: Sudoku as an Experimental Design. https://CRAN.R-project.org/package=SudokuDesigns	Ashutosh Dalal, Cini Varghese, Rajender Parsad, Mohd Harun	2025	2456

94.	*OPTeCD*: 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
95.	*GenomicSig*: 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
96.	*minFactorial*: 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
97.	*hrtlFMC*: 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

98.	ARMALSTM: Fitting of Hybrid ARMA-LSTM Models. https://CRAN.R-project.org/package=ARMALSTM	Debopam Rakshit, Ritwika Das, Dwaipayan Bardhan	2024	4340
99.	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
100.	*TREDesigns:* 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
101.	*MEDesigns:* Mating Environmental Designs. Version 1.0.0. https://CRAN.R-project.org/package=MEDesigns	Ashutosh Dalal, Cini Varghese, Rajender Parsad, Mohd Harun	2025	1943
102.	*decompML: Decomposition Based Machine Learning Model. (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.	*BSM*: Biologically Relevant Genes from High-dimensional Gene Expression Data. Available at https://github.com/sam-uofl/BSM	Samarendra Das	2016	239

2.	*OGS*: 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.	*EDI*: 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.	*SwarnSeq*: Analysis of Single cell RNA-sequencing data. Available at https://github.com/sam-uofl/SwarnSeq	Samarendra Das and Shesh N Rai	2021	--
5.	*GSQSeq*: 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.	*miRbiom*: 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.	*RBPSpot*: 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	--

*Red marked are in archives