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BDI

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-------------KNN:-------------

Mean Accuracy: 0.69994 ± 0.03579

Mean Precision: 0.71174 ± 0.03833

Mean Recall: 0.67336 ± 0.03842

Mean F1 Score: 0.67424 ± 0.04085

-------------Decision Tree:-------------

Mean Accuracy: 0.56359 ± 0.03764

Mean Precision: 0.57460 ± 0.04345

Mean Recall: 0.55154 ± 0.04375

Mean F1 Score: 0.55178 ± 0.04232

-------------Random Forest:-------------

Mean Accuracy: 0.72712 ± 0.03301

Mean Precision: 0.76100 ± 0.03806

Mean Recall: 0.68460 ± 0.03648

Mean F1 Score: 0.69622 ± 0.03725

-------------Logistic Regression:-------------

Mean Accuracy: 0.90250 ± 0.02664

Mean Precision: 0.88745 ± 0.03177

Mean Recall: 0.88857 ± 0.03287

Mean F1 Score: 0.88412 ± 0.03203

-------------Naive Bayes:-------------

Mean Accuracy: 0.74109 ± 0.03598

Mean Precision: 0.76032 ± 0.03308

Mean Recall: 0.72093 ± 0.04091

Mean F1 Score: 0.72695 ± 0.03925

-------------SVM:-------------

Mean Accuracy: 0.89686 ± 0.02522

Mean Precision: 0.88748 ± 0.02845

Mean Recall: 0.88862 ± 0.02959

Mean F1 Score: 0.88439 ± 0.02863

-------------AdaBoost:-------------

Mean Accuracy: 0.50853 ± 0.03999

Mean Precision: 0.39195 ± 0.06013

Mean Recall: 0.38568 ± 0.03050

Mean F1 Score: 0.35910 ± 0.03594

-------------Gradient Boosting:-------------

Mean Accuracy: 0.57756 ± 0.16404

Mean Precision: 0.56819 ± 0.15379

Mean Recall: 0.54887 ± 0.15627

Mean F1 Score: 0.54289 ± 0.16216

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DASS21

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-------------KNN:-------------

Mean Accuracy: 0.84010 ± 0.03085

Mean Precision: 0.67634 ± 0.07013

Mean Recall: 0.64817 ± 0.06461

Mean F1 Score: 0.64194 ± 0.06187

-------------Decision Tree:-------------

Mean Accuracy: 0.82279 ± 0.03204

Mean Precision: 0.65909 ± 0.06273

Mean Recall: 0.67562 ± 0.06228

Mean F1 Score: 0.65320 ± 0.05906

-------------Random Forest:-------------

Mean Accuracy: 0.84538 ± 0.03200

Mean Precision: 0.68239 ± 0.07545

Mean Recall: 0.65752 ± 0.06358

Mean F1 Score: 0.64992 ± 0.06225

-------------Logistic Regression:-------------

Mean Accuracy: 0.94990 ± 0.02099

Mean Precision: 0.90377 ± 0.04672

Mean Recall: 0.90142 ± 0.04858

Mean F1 Score: 0.89470 ± 0.04664

-------------Naive Bayes:-------------

Mean Accuracy: 0.75183 ± 0.03728

Mean Precision: 0.54969 ± 0.07208

Mean Recall: 0.63131 ± 0.05448

Mean F1 Score: 0.53530 ± 0.04797

-------------SVM:-------------

Mean Accuracy: 0.95212 ± 0.02128

Mean Precision: 0.89959 ± 0.04655

Mean Recall: 0.90346 ± 0.04553

Mean F1 Score: 0.89283 ± 0.04484

-------------AdaBoost:-------------

Mean Accuracy: 0.75808 ± 0.03790

Mean Precision: 0.38117 ± 0.05522

Mean Recall: 0.43775 ± 0.03301

Mean F1 Score: 0.39539 ± 0.03723

-------------Gradient Boosting:-------------

Mean Accuracy: 0.88442 ± 0.03618

Mean Precision: 0.75147 ± 0.07351

Mean Recall: 0.75531 ± 0.07220

Mean F1 Score: 0.74095 ± 0.07200

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EQ5D5L

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-------------KNN:-------------

Mean Accuracy: 0.82019 ± 0.03463

Mean Precision: 0.82084 ± 0.05058

Mean Recall: 0.78693 ± 0.05522

Mean F1 Score: 0.79451 ± 0.05392

-------------Decision Tree:-------------

Mean Accuracy: 0.82885 ± 0.04002

Mean Precision: 0.81348 ± 0.05522

Mean Recall: 0.80155 ± 0.05669

Mean F1 Score: 0.79887 ± 0.05447

-------------Random Forest:-------------

Mean Accuracy: 0.86298 ± 0.03725

Mean Precision: 0.87076 ± 0.04155

Mean Recall: 0.82624 ± 0.05246

Mean F1 Score: 0.83848 ± 0.04932

-------------Logistic Regression:-------------

Mean Accuracy: 0.97260 ± 0.01623

Mean Precision: 0.95516 ± 0.04562

Mean Recall: 0.91158 ± 0.04843

Mean F1 Score: 0.92025 ± 0.05104

-------------Naive Bayes:-------------

Mean Accuracy: 0.80356 ± 0.04566

Mean Precision: 0.82611 ± 0.05368

Mean Recall: 0.74251 ± 0.05813

Mean F1 Score: 0.76075 ± 0.06024

-------------SVM:-------------

Mean Accuracy: 0.94202 ± 0.02592

Mean Precision: 0.93125 ± 0.04834

Mean Recall: 0.88067 ± 0.05319

Mean F1 Score: 0.89183 ± 0.05508

-------------AdaBoost:-------------

Mean Accuracy: 0.56250 ± 0.05103

Mean Precision: 0.40278 ± 0.09360

Mean Recall: 0.45779 ± 0.04906

Mean F1 Score: 0.39526 ± 0.05482

-------------Gradient Boosting:-------------

Mean Accuracy: 0.85808 ± 0.03697

Mean Precision: 0.84284 ± 0.04882

Mean Recall: 0.82595 ± 0.05307

Mean F1 Score: 0.82642 ± 0.05128

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HDRS

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-------------KNN:-------------

Mean Accuracy: 0.76269 ± 0.04100

Mean Precision: 0.76302 ± 0.04256

Mean Recall: 0.76599 ± 0.04415

Mean F1 Score: 0.75742 ± 0.04286

-------------Decision Tree:-------------

Mean Accuracy: 0.70433 ± 0.04128

Mean Precision: 0.69984 ± 0.04551

Mean Recall: 0.70142 ± 0.04744

Mean F1 Score: 0.69502 ± 0.04386

-------------Random Forest:-------------

Mean Accuracy: 0.81606 ± 0.04157

Mean Precision: 0.82705 ± 0.04365

Mean Recall: 0.79442 ± 0.04514

Mean F1 Score: 0.80196 ± 0.04382

-------------Logistic Regression:-------------

Mean Accuracy: 0.94760 ± 0.02297

Mean Precision: 0.95152 ± 0.02411

Mean Recall: 0.94911 ± 0.02366

Mean F1 Score: 0.94873 ± 0.02346

-------------Naive Bayes:-------------

Mean Accuracy: 0.76356 ± 0.03995

Mean Precision: 0.78930 ± 0.04330

Mean Recall: 0.74704 ± 0.04501

Mean F1 Score: 0.75831 ± 0.04243

-------------SVM:-------------

Mean Accuracy: 0.97798 ± 0.01552

Mean Precision: 0.97512 ± 0.01835

Mean Recall: 0.97588 ± 0.01779

Mean F1 Score: 0.97476 ± 0.01728

-------------AdaBoost:-------------

Mean Accuracy: 0.78452 ± 0.04653

Mean Precision: 0.80300 ± 0.05573

Mean Recall: 0.77035 ± 0.05154

Mean F1 Score: 0.77795 ± 0.05192

-------------Gradient Boosting:-------------

Mean Accuracy: 0.86721 ± 0.03753

Mean Precision: 0.87018 ± 0.03873

Mean Recall: 0.86961 ± 0.04179

Mean F1 Score: 0.86633 ± 0.04010

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K10

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-------------KNN:-------------

Mean Accuracy: 0.91769 ± 0.02497

Mean Precision: 0.76176 ± 0.09954

Mean Recall: 0.72440 ± 0.06679

Mean F1 Score: 0.70585 ± 0.07260

-------------Decision Tree:-------------

Mean Accuracy: 0.92942 ± 0.02737

Mean Precision: 0.79416 ± 0.08590

Mean Recall: 0.81939 ± 0.07021

Mean F1 Score: 0.79409 ± 0.07668

-------------Random Forest:-------------

Mean Accuracy: 0.93692 ± 0.02211

Mean Precision: 0.81244 ± 0.07802

Mean Recall: 0.81019 ± 0.06277

Mean F1 Score: 0.79848 ± 0.06688

-------------Logistic Regression:-------------

Mean Accuracy: 0.93702 ± 0.02669

Mean Precision: 0.83437 ± 0.10079

Mean Recall: 0.76237 ± 0.08652

Mean F1 Score: 0.76931 ± 0.09319

-------------Naive Bayes:-------------

Mean Accuracy: 0.80865 ± 0.04678

Mean Precision: 0.50231 ± 0.09926

Mean Recall: 0.60705 ± 0.07168

Mean F1 Score: 0.50735 ± 0.08985

-------------SVM:-------------

Mean Accuracy: 0.93413 ± 0.02305

Mean Precision: 0.83020 ± 0.09476

Mean Recall: 0.75553 ± 0.06068

Mean F1 Score: 0.75660 ± 0.06401

-------------AdaBoost:-------------

Mean Accuracy: 0.80433 ± 0.10267

Mean Precision: 0.54719 ± 0.14526

Mean Recall: 0.62587 ± 0.13096

Mean F1 Score: 0.55757 ± 0.14261

-------------Gradient Boosting:-------------

Mean Accuracy: 0.93067 ± 0.02666

Mean Precision: 0.79310 ± 0.08994

Mean Recall: 0.80561 ± 0.07118

Mean F1 Score: 0.78627 ± 0.07844

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MADRS

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-------------KNN:-------------

Mean Accuracy: 0.87635 ± 0.03145

Mean Precision: 0.86386 ± 0.07781

Mean Recall: 0.87059 ± 0.08093

Mean F1 Score: 0.86137 ± 0.07690

-------------Decision Tree:-------------

Mean Accuracy: 0.81538 ± 0.03649

Mean Precision: 0.84318 ± 0.05959

Mean Recall: 0.83711 ± 0.05213

Mean F1 Score: 0.83331 ± 0.05206

-------------Random Forest:-------------

Mean Accuracy: 0.89135 ± 0.03354

Mean Precision: 0.91012 ± 0.06759

Mean Recall: 0.88408 ± 0.06807

Mean F1 Score: 0.89278 ± 0.06661

-------------Logistic Regression:-------------

Mean Accuracy: 0.98221 ± 0.01256

Mean Precision: 0.97126 ± 0.05684

Mean Recall: 0.95837 ± 0.06130

Mean F1 Score: 0.96244 ± 0.05794

-------------Naive Bayes:-------------

Mean Accuracy: 0.88337 ± 0.03341

Mean Precision: 0.91128 ± 0.04265

Mean Recall: 0.88373 ± 0.05153

Mean F1 Score: 0.89351 ± 0.04697

-------------SVM:-------------

Mean Accuracy: 0.97596 ± 0.01370

Mean Precision: 0.96730 ± 0.04434

Mean Recall: 0.96353 ± 0.04671

Mean F1 Score: 0.96292 ± 0.04413

-------------AdaBoost:-------------

Mean Accuracy: 0.74356 ± 0.04337

Mean Precision: 0.39906 ± 0.05756

Mean Recall: 0.47549 ± 0.04853

Mean F1 Score: 0.43069 ± 0.04926

-------------Gradient Boosting:-------------

Mean Accuracy: 0.87990 ± 0.12794

Mean Precision: 0.83143 ± 0.16500

Mean Recall: 0.84105 ± 0.16506

Mean F1 Score: 0.82790 ± 0.16546

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PHQ9

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-------------KNN:-------------

Mean Accuracy: 0.83894 ± 0.03398

Mean Precision: 0.85147 ± 0.04451

Mean Recall: 0.80895 ± 0.04882

Mean F1 Score: 0.81935 ± 0.04730

-------------Decision Tree:-------------

Mean Accuracy: 0.73510 ± 0.03982

Mean Precision: 0.72407 ± 0.05929

Mean Recall: 0.71481 ± 0.05634

Mean F1 Score: 0.70693 ± 0.05429

-------------Random Forest:-------------

Mean Accuracy: 0.83433 ± 0.03736

Mean Precision: 0.84568 ± 0.04709

Mean Recall: 0.80402 ± 0.05336

Mean F1 Score: 0.81355 ± 0.05158

-------------Logistic Regression:-------------

Mean Accuracy: 0.98423 ± 0.01554

Mean Precision: 0.97487 ± 0.02740

Mean Recall: 0.96913 ± 0.03283

Mean F1 Score: 0.96902 ± 0.03241

-------------Naive Bayes:-------------

Mean Accuracy: 0.81673 ± 0.04429

Mean Precision: 0.83770 ± 0.05429

Mean Recall: 0.78385 ± 0.06078

Mean F1 Score: 0.79564 ± 0.06098

-------------SVM:-------------

Mean Accuracy: 0.99144 ± 0.01445

Mean Precision: 0.98474 ± 0.02544

Mean Recall: 0.98071 ± 0.03234

Mean F1 Score: 0.98078 ± 0.03128

-------------AdaBoost:-------------

Mean Accuracy: 0.53904 ± 0.04936

Mean Precision: 0.34221 ± 0.06054

Mean Recall: 0.45847 ± 0.03845

Mean F1 Score: 0.38213 ± 0.04092

-------------Gradient Boosting:-------------

Mean Accuracy: 0.84087 ± 0.03539

Mean Precision: 0.81521 ± 0.05987

Mean Recall: 0.79363 ± 0.05683

Mean F1 Score: 0.79458 ± 0.05745

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QIDS

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-------------KNN:-------------

Mean Accuracy: 0.74577 ± 0.04249

Mean Precision: 0.72788 ± 0.04534

Mean Recall: 0.74596 ± 0.03905

Mean F1 Score: 0.72737 ± 0.04360

-------------Decision Tree:-------------

Mean Accuracy: 0.68971 ± 0.04524

Mean Precision: 0.68022 ± 0.04635

Mean Recall: 0.68820 ± 0.04529

Mean F1 Score: 0.67752 ± 0.04688

-------------Random Forest:-------------

Mean Accuracy: 0.74750 ± 0.04299

Mean Precision: 0.74068 ± 0.04435

Mean Recall: 0.74325 ± 0.04306

Mean F1 Score: 0.73496 ± 0.04358

-------------Logistic Regression:-------------

Mean Accuracy: 0.97279 ± 0.01971

Mean Precision: 0.97042 ± 0.02292

Mean Recall: 0.96960 ± 0.02221

Mean F1 Score: 0.96901 ± 0.02318

-------------Naive Bayes:-------------

Mean Accuracy: 0.68279 ± 0.04247

Mean Precision: 0.65107 ± 0.04889

Mean Recall: 0.67624 ± 0.04073

Mean F1 Score: 0.64555 ± 0.04569

-------------SVM:-------------

Mean Accuracy: 0.98317 ± 0.01479

Mean Precision: 0.97983 ± 0.01911

Mean Recall: 0.98074 ± 0.01693

Mean F1 Score: 0.97967 ± 0.01847

-------------AdaBoost:-------------

Mean Accuracy: 0.58683 ± 0.06673

Mean Precision: 0.59093 ± 0.07154

Mean Recall: 0.57776 ± 0.06604

Mean F1 Score: 0.56989 ± 0.06826

-------------Gradient Boosting:-------------

Mean Accuracy: 0.85279 ± 0.03797

Mean Precision: 0.84407 ± 0.04082

Mean Recall: 0.84746 ± 0.03936

Mean F1 Score: 0.84102 ± 0.04065