Estimate error for model #683 of 8100

----Model: {'l\_dim': [17, 4, 1], 'a\_functions': ['sigmoid', 'tanh'], 'eta': 0.5, 'tau': (False, False), 'reg': ('tikhonov', 0.0001), 'momentum': ('nesterov', 0.75), 'epochs': 500, 'batch\_shuffle': True, 'eps': 0.7, 'distribution': 'uniform', 'bias': 0, 'seed': 30, 'classification': [True], 'early\_stop': True, 'patience': 50, 'treshold\_variance': 1e-06, 'dim\_batch': 50}

Mean Train:0.005852959359488352

Mean Mae0.20080489729354184

Mean Validation:0.037235632104294356

Accuracy1.0

Mean Rmse:0.272782571552991

Mean MEE:0.03464342123066841

Mean Errors:0.13636663054537393

mean Epochs:480.0----

Estimate error for model #680 of 8100

----Model: {'l\_dim': [17, 4, 1], 'a\_functions': ['sigmoid', 'tanh'], 'eta': 0.5, 'tau': (False, False), 'reg': (False, False), 'momentum': ('nesterov', 0.75), 'epochs': 500, 'batch\_shuffle': True, 'eps': 0.7, 'distribution': 'uniform', 'bias': 0, 'seed': 30, 'classification': [True], 'early\_stop': True, 'patience': 50, 'treshold\_variance': 1e-06, 'dim\_batch': 50}

Mean Train:0.004105796843405026

Mean Mae0.20382870160755734

Mean Validation:0.04287243857518065

Accuracy1.0

Mean Rmse:0.29184084259462595

Mean MEE:0.03706382407336009

Mean Errors:0.14390145171268098

mean Epochs:425.5----

Estimate error for model #669 of 8100

----Model: {'l\_dim': [17, 10, 1], 'a\_functions': ['sigmoid', 'tanh'], 'eta': 0.5, 'tau': (False, False), 'reg': ('lasso', 0.0001), 'momentum': ('nesterov', 0.75), 'epochs': 500, 'batch\_shuffle': True, 'eps': 0.5, 'distribution': 'uniform', 'bias': 0, 'seed': 30, 'classification': [True], 'early\_stop': True, 'patience': 50, 'treshold\_variance': 1e-06, 'dim\_batch': 50}

Mean Train:0.005001365275333165

Mean Mae0.19874172648790556

Mean Validation:0.054561577184347544

Accuracy1.0

Mean Rmse:0.31001557074522157

Mean MEE:0.03937201685667969

Mean Errors:0.15067272281853858

mean Epochs:419.5----

Estimate error for model #668 of 8100

----Model: {'l\_dim': [17, 10, 1], 'a\_functions': ['sigmoid', 'tanh'], 'eta': 0.5, 'tau': (False, False), 'reg': ('tikhonov', 0.0001), 'momentum': ('nesterov', 0.75), 'epochs': 500, 'batch\_shuffle': True, 'eps': 0.5, 'distribution': 'uniform', 'bias': 0, 'seed': 30, 'classification': [True], 'early\_stop': True, 'patience': 50, 'treshold\_variance': 1e-06, 'dim\_batch': 50}

Mean Train:0.005421136586376722

Mean Mae0.1967221834713479

Mean Validation:0.05044853835000822

Accuracy1.0

Mean Rmse:0.3015135497458679

Mean MEE:0.03829225911000348

Mean Errors:0.14674413266930686

mean Epochs:421.0----

Estimate error for model #667 of 8100

----Model: {'l\_dim': [17, 10, 1], 'a\_functions': ['sigmoid', 'tanh'], 'eta': 0.5, 'tau': (False, False), 'reg': ('lasso', 0.001), 'momentum': ('nesterov', 0.75), 'epochs': 500, 'batch\_shuffle': True, 'eps': 0.5, 'distribution': 'uniform', 'bias': 0, 'seed': 30, 'classification': [True], 'early\_stop': True, 'patience': 50, 'treshold\_variance': 1e-06, 'dim\_batch': 50}

Mean Train:0.020999895416860787

Mean Mae0.24090423864298083

Mean Validation:0.055009164815602626

Accuracy1.0

Mean Rmse:0.3289944457773492

Mean MEE:0.041782336396080644

Mean Errors:0.16667254640800333

mean Epochs:500.0----

Estimate error for model #665 of 8100

----Model: {'l\_dim': [17, 10, 1], 'a\_functions': ['sigmoid', 'tanh'], 'eta': 0.5, 'tau': (False, False), 'reg': (False, False), 'momentum': ('nesterov', 0.75), 'epochs': 500, 'batch\_shuffle': True, 'eps': 0.5, 'distribution': 'uniform', 'bias': 0, 'seed': 30, 'classification': [True], 'early\_stop': True, 'patience': 50, 'treshold\_variance': 1e-06, 'dim\_batch': 50}

Mean Train:0.0031667347460382408

Mean Mae0.20999204938811833

Mean Validation:0.058970392020351245

Accuracy1.0

Mean Rmse:0.32875155922040444

Mean MEE:0.04175148977250201

Mean Errors:0.159866372600344

mean Epochs:411.5----

Estimate error for model #660 of 8100

----Model: {'l\_dim': [17, 10, 1], 'a\_functions': ['sigmoid', 'tanh'], 'eta': 0.5, 'tau': (False, False), 'reg': (False, False), 'momentum': ('nesterov', 0.75), 'epochs': 500, 'batch\_shuffle': True, 'eps': 0.7, 'distribution': 'uniform', 'bias': 0, 'seed': 30, 'classification': [True], 'early\_stop': True, 'patience': 50, 'treshold\_variance': 1e-06, 'dim\_batch': 50}

Mean Train:0.002229397068949668

Mean Mae0.23411372050357077

Mean Validation:0.06505850015935426

Accuracy1.0

Mean Rmse:0.353093870902474

Mean MEE:0.04484296644760308

Mean Errors:0.17427726450325054

mean Epochs:385.5----

Estimate error for model #661 of 8100

----Model: {'l\_dim': [17, 10, 1], 'a\_functions': ['sigmoid', 'tanh'], 'eta': 0.5, 'tau': (False, False), 'reg': ('tikhonov', 0.001), 'momentum': ('nesterov', 0.75), 'epochs': 500, 'batch\_shuffle': True, 'eps': 0.7, 'distribution': 'uniform', 'bias': 0, 'seed': 30, 'classification': [True], 'early\_stop': True, 'patience': 50, 'treshold\_variance': 1e-06, 'dim\_batch': 50}

Mean Train:0.030193171864053132

Mean Mae0.2635324796990396

Mean Validation:0.06061556885444677

Accuracy1.0

Mean Rmse:0.3471532521290127

Mean MEE:0.044088507108913766

Mean Errors:0.1788474519478532

mean Epochs:500.0----

Estimate error for model #662 of 8100

----Model: {'l\_dim': [17, 10, 1], 'a\_functions': ['sigmoid', 'tanh'], 'eta': 0.5, 'tau': (False, False), 'reg': ('lasso', 0.001), 'momentum': ('nesterov', 0.75), 'epochs': 500, 'batch\_shuffle': True, 'eps': 0.7, 'distribution': 'uniform', 'bias': 0, 'seed': 30, 'classification': [True], 'early\_stop': True, 'patience': 50, 'treshold\_variance': 1e-06, 'dim\_batch': 50}

Mean Train:0.016400451724443994

Mean Mae0.23281591694356496

Mean Validation:0.05532573718482918

Accuracy1.0

Mean Rmse:0.3295458325202897

Mean MEE:0.0418523625824603

Mean Errors:0.16488496230778604

mean Epochs:500.0----

Estimate error for model #663 of 8100

----Model: {'l\_dim': [17, 10, 1], 'a\_functions': ['sigmoid', 'tanh'], 'eta': 0.5, 'tau': (False, False), 'reg': ('tikhonov', 0.0001), 'momentum': ('nesterov', 0.75), 'epochs': 500, 'batch\_shuffle': True, 'eps': 0.7, 'distribution': 'uniform', 'bias': 0, 'seed': 30, 'classification': [True], 'early\_stop': True, 'patience': 50, 'treshold\_variance': 1e-06, 'dim\_batch': 50}

Mean Train:0.004026218470627023

Mean Mae0.23180894321453394

Mean Validation:0.060914509787239474

Accuracy1.0

Mean Rmse:0.3368472436807824

Mean MEE:0.04277964272712348

Mean Errors:0.1680875848524198

mean Epochs:412.5----

Estimate error for model #664 of 8100

----Model: {'l\_dim': [17, 10, 1], 'a\_functions': ['sigmoid', 'tanh'], 'eta': 0.5, 'tau': (False, False), 'reg': ('lasso', 0.0001), 'momentum': ('nesterov', 0.75), 'epochs': 500, 'batch\_shuffle': True, 'eps': 0.7, 'distribution': 'uniform', 'bias': 0, 'seed': 30, 'classification': [True], 'early\_stop': True, 'patience': 50, 'treshold\_variance': 1e-06, 'dim\_batch': 50}

Mean Train:0.002697201446586372

Mean Mae0.235627169281311

Mean Validation:0.06530832141092202

Accuracy1.0

Mean Rmse:0.34923255974921497

Mean MEE:0.04435257944075191

Mean Errors:0.17363015747054997

mean Epochs:411.5----

Estimate error for model #653 of 8100

----Model: {'l\_dim': [17, 8, 1], 'a\_functions': ['relu', 'sigmoid'], 'eta': 0.5, 'tau': (False, False), 'reg': ('tikhonov', 0.0001), 'momentum': ('nesterov', 0.75), 'epochs': 500, 'batch\_shuffle': True, 'eps': 0.7, 'distribution': 'uniform', 'bias': 0, 'seed': 30, 'classification': [True], 'early\_stop': True, 'patience': 50, 'treshold\_variance': 1e-06, 'dim\_batch': 1}

Mean Train:0.03195814550649444

Mean Mae0.22881253557472403

Mean Validation:0.07407940197744413

Accuracy0.9838709677419355

Mean Rmse:0.38434639645544366

Mean MEE:0.04881204116190692

Mean Errors:0.1840125937923797

mean Epochs:312.0----

Estimate error for model #654 of 8100

----Model: {'l\_dim': [17, 8, 1], 'a\_functions': ['relu', 'sigmoid'], 'eta': 0.5, 'tau': (False, False), 'reg': ('lasso', 0.0001), 'momentum': ('nesterov', 0.75), 'epochs': 500, 'batch\_shuffle': True, 'eps': 0.7, 'distribution': 'uniform', 'bias': 0, 'seed': 30, 'classification': [True], 'early\_stop': True, 'patience': 50, 'treshold\_variance': 1e-06, 'dim\_batch': 1}

Mean Train:0.02165527942939541

Mean Mae0.19932530232352996

Mean Validation:0.07373330028826784

Accuracy1.0

Mean Rmse:0.382855089035407

Mean MEE:0.04862264493016594

Mean Errors:0.17613408414434267

mean Epochs:304.5----

Estimate error for model #655 of 8100

----Model: {'l\_dim': [17, 8, 1], 'a\_functions': ['relu', 'sigmoid'], 'eta': 0.5, 'tau': (False, False), 'reg': (False, False), 'momentum': ('nesterov', 0.75), 'epochs': 500, 'batch\_shuffle': True, 'eps': 0.5, 'distribution': 'uniform', 'bias': 0, 'seed': 30, 'classification': [True], 'early\_stop': True, 'patience': 50, 'treshold\_variance': 1e-06, 'dim\_batch': 1}

Mean Train:0.028471419378286573

Mean Mae0.24908226261065003

Mean Validation:0.10648576574917347

Accuracy1.0

Mean Rmse:0.45747113741366713

Mean MEE:0.05809889255045733

Mean Errors:0.21778451458098697

mean Epochs:121.0----

Estimate error for model #648 of 8100

----Model: {'l\_dim': [17, 8, 1], 'a\_functions': ['sigmoid', 'tanh'], 'eta': 0.5, 'tau': (False, False), 'reg': ('tikhonov', 0.0001), 'momentum': ('nesterov', 0.75), 'epochs': 500, 'batch\_shuffle': True, 'eps': 0.5, 'distribution': 'uniform', 'bias': 0, 'seed': 30, 'classification': [True], 'early\_stop': True, 'patience': 50, 'treshold\_variance': 1e-06, 'dim\_batch': 1}

Mean Train:0.005164971431690571

Mean Mae0.10429164058759782

Mean Validation:0.010692001935185757

Accuracy1.0

Mean Rmse:0.1382891189371118

Mean MEE:0.017562735667757647

Mean Errors:0.06770887428191324

mean Epochs:306.5----

Estimate error for model #649 of 8100

----Model: {'l\_dim': [17, 8, 1], 'a\_functions': ['sigmoid', 'tanh'], 'eta': 0.5, 'tau': (False, False), 'reg': ('lasso', 0.0001), 'momentum': ('nesterov', 0.75), 'epochs': 500, 'batch\_shuffle': True, 'eps': 0.5, 'distribution': 'uniform', 'bias': 0, 'seed': 30, 'classification': [True], 'early\_stop': True, 'patience': 50, 'treshold\_variance': 1e-06, 'dim\_batch': 1}

Mean Train:0.0013670027895705456

Mean Mae0.05260072861072829

Mean Validation:0.0028067431991074298

Accuracy1.0

Mean Rmse:0.07171104719599425

Mean MEE:0.009107312101207923

Mean Errors:0.034056457776759474

mean Epochs:88.5----

Estimate error for model #650 of 8100

----Model: {'l\_dim': [17, 8, 1], 'a\_functions': ['relu', 'sigmoid'], 'eta': 0.5, 'tau': (False, False), 'reg': (False, False), 'momentum': ('nesterov', 0.75), 'epochs': 500, 'batch\_shuffle': True, 'eps': 0.7, 'distribution': 'uniform', 'bias': 0, 'seed': 30, 'classification': [True], 'early\_stop': True, 'patience': 50, 'treshold\_variance': 1e-06, 'dim\_batch': 1}

Mean Train:0.02040888069555708

Mean Mae0.23399570175964612

Mean Validation:0.09726395443110251

Accuracy1.0

Mean Rmse:0.4361112099450266

Mean MEE:0.05538617904922512

Mean Errors:0.2056892612962501

mean Epochs:111.0----

Estimate error for model #643 of 8100

----Model: {'l\_dim': [17, 8, 1], 'a\_functions': ['sigmoid', 'tanh'], 'eta': 0.5, 'tau': (False, False), 'reg': ('tikhonov', 0.0001), 'momentum': ('nesterov', 0.75), 'epochs': 500, 'batch\_shuffle': True, 'eps': 0.7, 'distribution': 'uniform', 'bias': 0, 'seed': 30, 'classification': [True], 'early\_stop': True, 'patience': 50, 'treshold\_variance': 1e-06, 'dim\_batch': 1}

Mean Train:0.0044122944353763875

Mean Mae0.10711696825462082

Mean Validation:0.011052154995112133

Accuracy1.0

Mean Rmse:0.14408105051090023

Mean MEE:0.01829831171320519

Mean Errors:0.07013712136845959

mean Epochs:500.0----

Estimate error for model #644 of 8100

----Model: {'l\_dim': [17, 8, 1], 'a\_functions': ['sigmoid', 'tanh'], 'eta': 0.5, 'tau': (False, False), 'reg': ('lasso', 0.0001), 'momentum': ('nesterov', 0.75), 'epochs': 500, 'batch\_shuffle': True, 'eps': 0.7, 'distribution': 'uniform', 'bias': 0, 'seed': 30, 'classification': [True], 'early\_stop': True, 'patience': 50, 'treshold\_variance': 1e-06, 'dim\_batch': 1}

Mean Train:0.0012509570407230213

Mean Mae0.06332416161617749

Mean Validation:0.004766963568735521

Accuracy1.0

Mean Rmse:0.08625046178899717

Mean MEE:0.010953819601027719

Mean Errors:0.04132385164373448

mean Epochs:246.5----

Estimate error for model #645 of 8100

----Model: {'l\_dim': [17, 8, 1], 'a\_functions': ['sigmoid', 'tanh'], 'eta': 0.5, 'tau': (False, False), 'reg': (False, False), 'momentum': ('nesterov', 0.75), 'epochs': 500, 'batch\_shuffle': True, 'eps': 0.5, 'distribution': 'uniform', 'bias': 0, 'seed': 30, 'classification': [True], 'early\_stop': True, 'patience': 50, 'treshold\_variance': 1e-06, 'dim\_batch': 1}

Mean Train:0.0005055490274106274

Mean Mae0.0919513427577416

Mean Validation:0.020111958377079558

Accuracy1.0

Mean Rmse:0.2004484048975467

Mean MEE:0.02545697287897404

Mean Errors:0.08449216972783548

mean Epochs:111.5----

Estimate error for model #640 of 8100

----Model: {'l\_dim': [17, 8, 1], 'a\_functions': ['sigmoid', 'tanh'], 'eta': 0.5, 'tau': (False, False), 'reg': (False, False), 'momentum': ('nesterov', 0.75), 'epochs': 500, 'batch\_shuffle': True, 'eps': 0.7, 'distribution': 'uniform', 'bias': 0, 'seed': 30, 'classification': [True], 'early\_stop': True, 'patience': 50, 'treshold\_variance': 1e-06, 'dim\_batch': 1}

Mean Train:0.0005918797586659525

Mean Mae0.09945093074625015

Mean Validation:0.01950368749121171

Accuracy1.0

Mean Rmse:0.17983537537244054

Mean MEE:0.02283911551142688

Mean Errors:0.08040727728033233

mean Epochs:88.5----

Estimate error for model #628 of 8100

----Model: {'l\_dim': [17, 4, 1], 'a\_functions': ['sigmoid', 'tanh'], 'eta': 0.5, 'tau': (False, False), 'reg': ('tikhonov', 0.0001), 'momentum': ('nesterov', 0.75), 'epochs': 500, 'batch\_shuffle': True, 'eps': 0.5, 'distribution': 'uniform', 'bias': 0, 'seed': 30, 'classification': [True], 'early\_stop': True, 'patience': 50, 'treshold\_variance': 1e-06, 'dim\_batch': 1}

Mean Train:0.010022783021148894

Mean Mae0.1537874518530405

Mean Validation:0.02604436222101405

Accuracy1.0

Mean Rmse:0.227817221298692

Mean MEE:0.02893281603776439

Mean Errors:0.10914546285262773

mean Epochs:500.0----

Estimate error for model #629 of 8100

----Model: {'l\_dim': [17, 4, 1], 'a\_functions': ['sigmoid', 'tanh'], 'eta': 0.5, 'tau': (False, False), 'reg': ('lasso', 0.0001), 'momentum': ('nesterov', 0.75), 'epochs': 500, 'batch\_shuffle': True, 'eps': 0.5, 'distribution': 'uniform', 'bias': 0, 'seed': 30, 'classification': [True], 'early\_stop': True, 'patience': 50, 'treshold\_variance': 1e-06, 'dim\_batch': 1}

Mean Train:0.008596727963171137

Mean Mae0.1356905301887832

Mean Validation:0.031226026515661913

Accuracy1.0

Mean Rmse:0.24798286853732038

Mean MEE:0.03149385579811123

Mean Errors:0.11159832025996919

mean Epochs:350.0----

Estimate error for model #623 of 8100

----Model: {'l\_dim': [17, 4, 1], 'a\_functions': ['sigmoid', 'tanh'], 'eta': 0.5, 'tau': (False, False), 'reg': ('tikhonov', 0.0001), 'momentum': ('nesterov', 0.75), 'epochs': 500, 'batch\_shuffle': True, 'eps': 0.7, 'distribution': 'uniform', 'bias': 0, 'seed': 30, 'classification': [True], 'early\_stop': True, 'patience': 50, 'treshold\_variance': 1e-06, 'dim\_batch': 1}

Mean Train:0.009122688179140118

Mean Mae0.1596330460111333

Mean Validation:0.02890986213610163

Accuracy1.0

Mean Rmse:0.2404458147674149

Mean MEE:0.030536649012125973

Mean Errors:0.11488134298169396

mean Epochs:500.0----

Estimate error for model #613 of 8100

----Model: {'l\_dim': [17, 10, 1], 'a\_functions': ['relu', 'sigmoid'], 'eta': 0.5, 'tau': (False, False), 'reg': ('tikhonov', 0.0001), 'momentum': ('nesterov', 0.75), 'epochs': 500, 'batch\_shuffle': True, 'eps': 0.7, 'distribution': 'uniform', 'bias': 0, 'seed': 30, 'classification': [True], 'early\_stop': True, 'patience': 50, 'treshold\_variance': 1e-06, 'dim\_batch': 1}

Mean Train:0.009583304154356374

Mean Mae0.19557612331839896

Mean Validation:0.052870848811308435

Accuracy1.0

Mean Rmse:0.32053586095826825

Mean MEE:0.04070809504981546

Mean Errors:0.15242273203444776

mean Epochs:368.5----

Estimate error for model #608 of 8100

----Model: {'l\_dim': [17, 10, 1], 'a\_functions': ['sigmoid', 'tanh'], 'eta': 0.5, 'tau': (False, False), 'reg': ('tikhonov', 0.0001), 'momentum': ('nesterov', 0.75), 'epochs': 500, 'batch\_shuffle': True, 'eps': 0.5, 'distribution': 'uniform', 'bias': 0, 'seed': 30, 'classification': [True], 'early\_stop': True, 'patience': 50, 'treshold\_variance': 1e-06, 'dim\_batch': 1}

Mean Train:0.005104364922527242

Mean Mae0.12496799194906347

Mean Validation:0.013449638708627046

Accuracy1.0

Mean Rmse:0.16400525301758095

Mean MEE:0.020828687961931158

Mean Errors:0.08081289290930066

mean Epochs:500.0----

Estimate error for model #609 of 8100

----Model: {'l\_dim': [17, 10, 1], 'a\_functions': ['sigmoid', 'tanh'], 'eta': 0.5, 'tau': (False, False), 'reg': ('lasso', 0.0001), 'momentum': ('nesterov', 0.75), 'epochs': 500, 'batch\_shuffle': True, 'eps': 0.5, 'distribution': 'uniform', 'bias': 0, 'seed': 30, 'classification': [True], 'early\_stop': True, 'patience': 50, 'treshold\_variance': 1e-06, 'dim\_batch': 1}

Mean Train:0.002058119552931648

Mean Mae0.08972954015007834

Mean Validation:0.007844066547436091

Accuracy1.0

Mean Rmse:0.11239937722077901

Mean MEE:0.014274735181781255

Mean Errors:0.05606192977501868

mean Epochs:295.5----

Estimate error for model #603 of 8100

----Model: {'l\_dim': [17, 10, 1], 'a\_functions': ['sigmoid', 'tanh'], 'eta': 0.5, 'tau': (False, False), 'reg': ('tikhonov', 0.0001), 'momentum': ('nesterov', 0.75), 'epochs': 500, 'batch\_shuffle': True, 'eps': 0.7, 'distribution': 'uniform', 'bias': 0, 'seed': 30, 'classification': [True], 'early\_stop': True, 'patience': 50, 'treshold\_variance': 1e-06, 'dim\_batch': 1}

Mean Train:0.004302374479167636

Mean Mae0.1318636938247839

Mean Validation:0.014144215043368779

Accuracy1.0

Mean Rmse:0.16818823115091028

Mean MEE:0.021359926716103005

Mean Errors:0.08388901668379148

mean Epochs:500.0----

Estimate error for model #604 of 8100

----Model: {'l\_dim': [17, 10, 1], 'a\_functions': ['sigmoid', 'tanh'], 'eta': 0.5, 'tau': (False, False), 'reg': ('lasso', 0.0001), 'momentum': ('nesterov', 0.75), 'epochs': 500, 'batch\_shuffle': True, 'eps': 0.7, 'distribution': 'uniform', 'bias': 0, 'seed': 30, 'classification': [True], 'early\_stop': True, 'patience': 50, 'treshold\_variance': 1e-06, 'dim\_batch': 1}

Mean Train:0.0025323769044480592

Mean Mae0.08861063460515767

Mean Validation:0.013416839857740757

Accuracy1.0

Mean Rmse:0.15042872192204604

Mean MEE:0.019104466788576184

Mean Errors:0.06789016579338016

mean Epochs:293.5----

Estimate error for model #605 of 8100

----Model: {'l\_dim': [17, 10, 1], 'a\_functions': ['sigmoid', 'tanh'], 'eta': 0.5, 'tau': (False, False), 'reg': (False, False), 'momentum': ('nesterov', 0.75), 'epochs': 500, 'batch\_shuffle': True, 'eps': 0.5, 'distribution': 'uniform', 'bias': 0, 'seed': 30, 'classification': [True], 'early\_stop': True, 'patience': 50, 'treshold\_variance': 1e-06, 'dim\_batch': 1}

Mean Train:0.0011137866841366675

Mean Mae0.17051369667473126

Mean Validation:0.04749672576729678

Accuracy1.0

Mean Rmse:0.302680951371277

Mean MEE:0.038440519264690665

Mean Errors:0.1397829732694989

mean Epochs:125.5----

Estimate error for model #600 of 8100

----Model: {'l\_dim': [17, 10, 1], 'a\_functions': ['sigmoid', 'tanh'], 'eta': 0.5, 'tau': (False, False), 'reg': (False, False), 'momentum': ('nesterov', 0.75), 'epochs': 500, 'batch\_shuffle': True, 'eps': 0.7, 'distribution': 'uniform', 'bias': 0, 'seed': 30, 'classification': [True], 'early\_stop': True, 'patience': 50, 'treshold\_variance': 1e-06, 'dim\_batch': 1}

Mean Train:0.0006544353324967923

Mean Mae0.11337465588538886

Mean Validation:0.02571308519675569

Accuracy1.0

Mean Rmse:0.2261372811521908

Mean MEE:0.028719463425806016

Mean Errors:0.09848612141503535

mean Epochs:106.5----

Estimate error for model #465 of 8100

----Model: {'l\_dim': [17, 8, 1], 'a\_functions': ['sigmoid', 'tanh'], 'eta': 0.5, 'tau': (25, 0.0005), 'reg': (False, False), 'momentum': ('', 0), 'epochs': 500, 'batch\_shuffle': True, 'eps': 0.5, 'distribution': 'uniform', 'bias': 0, 'seed': 30, 'classification': [True], 'early\_stop': True, 'patience': 50, 'treshold\_variance': 1e-06, 'dim\_batch': 1}

Mean Train:0.013606116003175068

Mean Mae0.2266267980823042

Mean Validation:0.056099896674460546

Accuracy1.0

Mean Rmse:0.33492614255372477

Mean MEE:0.04253566264000696

Mean Errors:0.1650471249876241

mean Epochs:88.0----

Estimate error for model #460 of 8100

----Model: {'l\_dim': [17, 8, 1], 'a\_functions': ['sigmoid', 'tanh'], 'eta': 0.5, 'tau': (25, 0.0005), 'reg': (False, False), 'momentum': ('', 0), 'epochs': 500, 'batch\_shuffle': True, 'eps': 0.7, 'distribution': 'uniform', 'bias': 0, 'seed': 30, 'classification': [True], 'early\_stop': True, 'patience': 50, 'treshold\_variance': 1e-06, 'dim\_batch': 1}

Mean Train:0.012745185832741902

Mean Mae0.2186777261158091

Mean Validation:0.05267494160306642

Accuracy1.0

Mean Rmse:0.3233824562293359

Mean MEE:0.041069613010759204

Mean Errors:0.15895118423974267

mean Epochs:87.5----

Estimate error for model #425 of 8100

----Model: {'l\_dim': [17, 10, 1], 'a\_functions': ['sigmoid', 'tanh'], 'eta': 0.5, 'tau': (25, 0.0005), 'reg': (False, False), 'momentum': ('', 0), 'epochs': 500, 'batch\_shuffle': True, 'eps': 0.5, 'distribution': 'uniform', 'bias': 0, 'seed': 30, 'classification': [True], 'early\_stop': True, 'patience': 50, 'treshold\_variance': 1e-06, 'dim\_batch': 1}

Mean Train:0.011013198859974005

Mean Mae0.24812783203216288

Mean Validation:0.06595047346152902

Accuracy1.0

Mean Rmse:0.3559446745798736

Mean MEE:0.045205018876685425

Mean Errors:0.17880699973756273

mean Epochs:89.5----

Estimate error for model #285 of 8100

----Model: {'l\_dim': [17, 8, 1], 'a\_functions': ['sigmoid', 'tanh'], 'eta': 0.5, 'tau': (25, 0.005), 'reg': (False, False), 'momentum': ('', 0), 'epochs': 500, 'batch\_shuffle': True, 'eps': 0.5, 'distribution': 'uniform', 'bias': 0, 'seed': 30, 'classification': [True], 'early\_stop': True, 'patience': 50, 'treshold\_variance': 1e-06, 'dim\_batch': 1}

Mean Train:0.012533730513056188

Mean Mae0.22279519450568008

Mean Validation:0.054280225160744384

Accuracy1.0

Mean Rmse:0.3294333981831806

Mean MEE:0.04183808340736826

Mean Errors:0.16208672531424334

mean Epochs:88.0----

Estimate error for model #280 of 8100

----Model: {'l\_dim': [17, 8, 1], 'a\_functions': ['sigmoid', 'tanh'], 'eta': 0.5, 'tau': (25, 0.005), 'reg': (False, False), 'momentum': ('', 0), 'epochs': 500, 'batch\_shuffle': True, 'eps': 0.7, 'distribution': 'uniform', 'bias': 0, 'seed': 30, 'classification': [True], 'early\_stop': True, 'patience': 50, 'treshold\_variance': 1e-06, 'dim\_batch': 1}

Mean Train:0.011897556519893875

Mean Mae0.21495163424451805

Mean Validation:0.05131767068894354

Accuracy1.0

Mean Rmse:0.3189988183172404

Mean MEE:0.04051289043920024

Mean Errors:0.15644525342247556

mean Epochs:87.5----

Estimate error for model #245 of 8100

----Model: {'l\_dim': [17, 10, 1], 'a\_functions': ['sigmoid', 'tanh'], 'eta': 0.5, 'tau': (25, 0.005), 'reg': (False, False), 'momentum': ('', 0), 'epochs': 500, 'batch\_shuffle': True, 'eps': 0.5, 'distribution': 'uniform', 'bias': 0, 'seed': 30, 'classification': [True], 'early\_stop': True, 'patience': 50, 'treshold\_variance': 1e-06, 'dim\_batch': 1}

Mean Train:0.00947748817148079

Mean Mae0.23992513942902238

Mean Validation:0.06310972852855079

Accuracy1.0

Mean Rmse:0.3465522481148224

Mean MEE:0.04401217952278397

Mean Errors:0.17339982389879488

mean Epochs:89.5----

Estimate error for model #168 of 8100

----Model: {'l\_dim': [17, 8, 1], 'a\_functions': ['sigmoid', 'tanh'], 'eta': 0.5, 'tau': (False, False), 'reg': ('tikhonov', 0.0001), 'momentum': ('', 0), 'epochs': 500, 'batch\_shuffle': True, 'eps': 0.5, 'distribution': 'uniform', 'bias': 0, 'seed': 30, 'classification': [True], 'early\_stop': True, 'patience': 50, 'treshold\_variance': 1e-06, 'dim\_batch': 50}

Mean Train:0.011235503460008154

Mean Mae0.2611028764407102

Mean Validation:0.06904760256329284

Accuracy1.0

Mean Rmse:0.360762365585203

Mean MEE:0.04581686624620995

Mean Errors:0.184182427708854

mean Epochs:500.0----

Estimate error for model #169 of 8100

----Model: {'l\_dim': [17, 8, 1], 'a\_functions': ['sigmoid', 'tanh'], 'eta': 0.5, 'tau': (False, False), 'reg': ('lasso', 0.0001), 'momentum': ('', 0), 'epochs': 500, 'batch\_shuffle': True, 'eps': 0.5, 'distribution': 'uniform', 'bias': 0, 'seed': 30, 'classification': [True], 'early\_stop': True, 'patience': 50, 'treshold\_variance': 1e-06, 'dim\_batch': 50}

Mean Train:0.01061722754843972

Mean Mae0.25426682555397884

Mean Validation:0.06650351836322135

Accuracy1.0

Mean Rmse:0.3538097422310076

Mean MEE:0.04493388219724263

Mean Errors:0.17987849208636258

mean Epochs:500.0----

Estimate error for model #160 of 8100

----Model: {'l\_dim': [17, 8, 1], 'a\_functions': ['sigmoid', 'tanh'], 'eta': 0.5, 'tau': (False, False), 'reg': (False, False), 'momentum': ('', 0), 'epochs': 500, 'batch\_shuffle': True, 'eps': 0.7, 'distribution': 'uniform', 'bias': 0, 'seed': 30, 'classification': [True], 'early\_stop': True, 'patience': 50, 'treshold\_variance': 1e-06, 'dim\_batch': 50}

Mean Train:0.00392166597235402

Mean Mae0.2361080876850154

Mean Validation:0.05085120882903385

Accuracy1.0

Mean Rmse:0.31754394082651966

Mean MEE:0.04032812081310898

Mean Errors:0.1612078395384195

mean Epochs:457.0----

Estimate error for model #162 of 8100

----Model: {'l\_dim': [17, 8, 1], 'a\_functions': ['sigmoid', 'tanh'], 'eta': 0.5, 'tau': (False, False), 'reg': ('lasso', 0.001), 'momentum': ('', 0), 'epochs': 500, 'batch\_shuffle': True, 'eps': 0.7, 'distribution': 'uniform', 'bias': 0, 'seed': 30, 'classification': [True], 'early\_stop': True, 'patience': 50, 'treshold\_variance': 1e-06, 'dim\_batch': 50}

Mean Train:0.018849506570229317

Mean Mae0.20509998361865933

Mean Validation:0.03566607520140604

Accuracy1.0

Mean Rmse:0.26700095175838556

Mean MEE:0.0339091547824867

Mean Errors:0.13541904134023441

mean Epochs:500.0----

Estimate error for model #163 of 8100

----Model: {'l\_dim': [17, 8, 1], 'a\_functions': ['sigmoid', 'tanh'], 'eta': 0.5, 'tau': (False, False), 'reg': ('tikhonov', 0.0001), 'momentum': ('', 0), 'epochs': 500, 'batch\_shuffle': True, 'eps': 0.7, 'distribution': 'uniform', 'bias': 0, 'seed': 30, 'classification': [True], 'early\_stop': True, 'patience': 50, 'treshold\_variance': 1e-06, 'dim\_batch': 50}

Mean Train:0.004749253623228885

Mean Mae0.2325802588777018

Mean Validation:0.04787064127237992

Accuracy1.0

Mean Rmse:0.3072956485237193

Mean MEE:0.039026586389118254

Mean Errors:0.15669328376572983

mean Epochs:500.0----

Estimate error for model #164 of 8100

----Model: {'l\_dim': [17, 8, 1], 'a\_functions': ['sigmoid', 'tanh'], 'eta': 0.5, 'tau': (False, False), 'reg': ('lasso', 0.0001), 'momentum': ('', 0), 'epochs': 500, 'batch\_shuffle': True, 'eps': 0.7, 'distribution': 'uniform', 'bias': 0, 'seed': 30, 'classification': [True], 'early\_stop': True, 'patience': 50, 'treshold\_variance': 1e-06, 'dim\_batch': 50}

Mean Train:0.005133550112651701

Mean Mae0.2234435793575506

Mean Validation:0.045232964932466105

Accuracy1.0

Mean Rmse:0.29926057894518526

Mean MEE:0.03800613153218907

Mean Errors:0.15148581369184777

mean Epochs:470.5----

Estimate error for model #165 of 8100

----Model: {'l\_dim': [17, 8, 1], 'a\_functions': ['sigmoid', 'tanh'], 'eta': 0.5, 'tau': (False, False), 'reg': (False, False), 'momentum': ('', 0), 'epochs': 500, 'batch\_shuffle': True, 'eps': 0.5, 'distribution': 'uniform', 'bias': 0, 'seed': 30, 'classification': [True], 'early\_stop': True, 'patience': 50, 'treshold\_variance': 1e-06, 'dim\_batch': 50}

Mean Train:0.008389132823312783

Mean Mae0.2616694368531557

Mean Validation:0.06909978866270347

Accuracy1.0

Mean Rmse:0.3607666303914423

Mean MEE:0.04581740787714395

Mean Errors:0.18433831594611136

mean Epochs:500.0----

Estimate error for model #140 of 8100

----Model: {'l\_dim': [17, 4, 1], 'a\_functions': ['sigmoid', 'tanh'], 'eta': 0.5, 'tau': (False, False), 'reg': (False, False), 'momentum': ('', 0), 'epochs': 500, 'batch\_shuffle': True, 'eps': 0.7, 'distribution': 'uniform', 'bias': 0, 'seed': 30, 'classification': [True], 'early\_stop': True, 'patience': 50, 'treshold\_variance': 1e-06, 'dim\_batch': 50}

Mean Train:0.02277502137017587

Mean Mae0.24505542945626135

Mean Validation:0.07196544473832531

Accuracy0.9838709677419355

Mean Rmse:0.36155580727940606

Mean MEE:0.045917633442140976

Mean Errors:0.18112357872903342

mean Epochs:500.0----

Estimate error for model #145 of 8100

----Model: {'l\_dim': [17, 4, 1], 'a\_functions': ['sigmoid', 'tanh'], 'eta': 0.5, 'tau': (False, False), 'reg': (False, False), 'momentum': ('', 0), 'epochs': 500, 'batch\_shuffle': True, 'eps': 0.5, 'distribution': 'uniform', 'bias': 0, 'seed': 30, 'classification': [True], 'early\_stop': True, 'patience': 50, 'treshold\_variance': 1e-06, 'dim\_batch': 50}

Mean Train:0.018339409274097947

Mean Mae0.21579276813757375

Mean Validation:0.05301093550113664

Accuracy1.0

Mean Rmse:0.3224680229952904

Mean MEE:0.040953479873902236

Mean Errors:0.15805630162697576

mean Epochs:500.0----

Estimate error for model #148 of 8100

----Model: {'l\_dim': [17, 4, 1], 'a\_functions': ['sigmoid', 'tanh'], 'eta': 0.5, 'tau': (False, False), 'reg': ('tikhonov', 0.0001), 'momentum': ('', 0), 'epochs': 500, 'batch\_shuffle': True, 'eps': 0.5, 'distribution': 'uniform', 'bias': 0, 'seed': 30, 'classification': [True], 'early\_stop': True, 'patience': 50, 'treshold\_variance': 1e-06, 'dim\_batch': 50}

Mean Train:0.019783140924910562

Mean Mae0.22264575595482694

Mean Validation:0.05345350952177662

Accuracy1.0

Mean Rmse:0.3247280925615076

Mean MEE:0.041240508995841085

Mean Errors:0.16051696675848806

mean Epochs:500.0----

Estimate error for model #149 of 8100

----Model: {'l\_dim': [17, 4, 1], 'a\_functions': ['sigmoid', 'tanh'], 'eta': 0.5, 'tau': (False, False), 'reg': ('lasso', 0.0001), 'momentum': ('', 0), 'epochs': 500, 'batch\_shuffle': True, 'eps': 0.5, 'distribution': 'uniform', 'bias': 0, 'seed': 30, 'classification': [True], 'early\_stop': True, 'patience': 50, 'treshold\_variance': 1e-06, 'dim\_batch': 50}

Mean Train:0.019016810552186812

Mean Mae0.21877088021958876

Mean Validation:0.0527976464031958

Accuracy1.0

Mean Rmse:0.3219819158182444

Mean MEE:0.04089174420068169

Mean Errors:0.15861054666042765

mean Epochs:500.0----

Estimate error for model #118 of 8100

----Model: {'l\_dim': [17, 8, 1], 'a\_functions': ['relu', 'sigmoid'], 'eta': 0.5, 'tau': (False, False), 'reg': ('tikhonov', 0.0001), 'momentum': ('', 0), 'epochs': 500, 'batch\_shuffle': True, 'eps': 0.5, 'distribution': 'uniform', 'bias': 0, 'seed': 30, 'classification': [True], 'early\_stop': True, 'patience': 50, 'treshold\_variance': 1e-06, 'dim\_batch': 1}

Mean Train:0.030847033065102496

Mean Mae0.25513944621692497

Mean Validation:0.08531868624985167

Accuracy0.9838709677419355

Mean Rmse:0.4119956232280155

Mean MEE:0.0523234964734806

Mean Errors:0.20119431304206817

mean Epochs:241.0----

Estimate error for model #119 of 8100

----Model: {'l\_dim': [17, 8, 1], 'a\_functions': ['relu', 'sigmoid'], 'eta': 0.5, 'tau': (False, False), 'reg': ('lasso', 0.0001), 'momentum': ('', 0), 'epochs': 500, 'batch\_shuffle': True, 'eps': 0.5, 'distribution': 'uniform', 'bias': 0, 'seed': 30, 'classification': [True], 'early\_stop': True, 'patience': 50, 'treshold\_variance': 1e-06, 'dim\_batch': 1}

Mean Train:0.03441871940871212

Mean Mae0.2322483885164323

Mean Validation:0.09515770288769693

Accuracy0.9838709677419355

Mean Rmse:0.4289852540674141

Mean MEE:0.054481181747770585

Mean Errors:0.2027181318048285

mean Epochs:175.5----

Estimate error for model #120 of 8100

----Model: {'l\_dim': [17, 10, 1], 'a\_functions': ['sigmoid', 'tanh'], 'eta': 0.5, 'tau': (False, False), 'reg': (False, False), 'momentum': ('', 0), 'epochs': 500, 'batch\_shuffle': True, 'eps': 0.7, 'distribution': 'uniform', 'bias': 0, 'seed': 30, 'classification': [True], 'early\_stop': True, 'patience': 50, 'treshold\_variance': 1e-06, 'dim\_batch': 50}

Mean Train:0.006400458201829831

Mean Mae0.26696540394787555

Mean Validation:0.08068868384649532

Accuracy1.0

Mean Rmse:0.40105092103054824

Mean MEE:0.05093351790442299

Mean Errors:0.19990963168233553

mean Epochs:456.0----

Estimate error for model #122 of 8100

----Model: {'l\_dim': [17, 10, 1], 'a\_functions': ['sigmoid', 'tanh'], 'eta': 0.5, 'tau': (False, False), 'reg': ('lasso', 0.001), 'momentum': ('', 0), 'epochs': 500, 'batch\_shuffle': True, 'eps': 0.7, 'distribution': 'uniform', 'bias': 0, 'seed': 30, 'classification': [True], 'early\_stop': True, 'patience': 50, 'treshold\_variance': 1e-06, 'dim\_batch': 50}

Mean Train:0.02507826866226264

Mean Mae0.31120280098004927

Mean Validation:0.09163069909582319

Accuracy0.9838709677419355

Mean Rmse:0.4239944521358474

Mean MEE:0.05384734926862882

Mean Errors:0.22016882537008717

mean Epochs:500.0----

Estimate error for model #123 of 8100

----Model: {'l\_dim': [17, 10, 1], 'a\_functions': ['sigmoid', 'tanh'], 'eta': 0.5, 'tau': (False, False), 'reg': ('tikhonov', 0.0001), 'momentum': ('', 0), 'epochs': 500, 'batch\_shuffle': True, 'eps': 0.7, 'distribution': 'uniform', 'bias': 0, 'seed': 30, 'classification': [True], 'early\_stop': True, 'patience': 50, 'treshold\_variance': 1e-06, 'dim\_batch': 50}

Mean Train:0.0077224306429863766

Mean Mae0.25430705714122614

Mean Validation:0.07222602591652816

Accuracy1.0

Mean Rmse:0.3794393247871979

Mean MEE:0.04818884243684066

Mean Errors:0.1885403125704482

mean Epochs:500.0----

Estimate error for model #124 of 8100

----Model: {'l\_dim': [17, 10, 1], 'a\_functions': ['sigmoid', 'tanh'], 'eta': 0.5, 'tau': (False, False), 'reg': ('lasso', 0.0001), 'momentum': ('', 0), 'epochs': 500, 'batch\_shuffle': True, 'eps': 0.7, 'distribution': 'uniform', 'bias': 0, 'seed': 30, 'classification': [True], 'early\_stop': True, 'patience': 50, 'treshold\_variance': 1e-06, 'dim\_batch': 50}

Mean Train:0.008039929473147786

Mean Mae0.25692301244573235

Mean Validation:0.07526090079164778

Accuracy1.0

Mean Rmse:0.3871489763351188

Mean MEE:0.04916796916255384

Mean Errors:0.19212521468376317

mean Epochs:475.0----

Estimate error for model #125 of 8100

----Model: {'l\_dim': [17, 10, 1], 'a\_functions': ['sigmoid', 'tanh'], 'eta': 0.5, 'tau': (False, False), 'reg': (False, False), 'momentum': ('', 0), 'epochs': 500, 'batch\_shuffle': True, 'eps': 0.5, 'distribution': 'uniform', 'bias': 0, 'seed': 30, 'classification': [True], 'early\_stop': True, 'patience': 50, 'treshold\_variance': 1e-06, 'dim\_batch': 50}

Mean Train:0.006828468772898808

Mean Mae0.2340916671548986

Mean Validation:0.06401358256540156

Accuracy1.0

Mean Rmse:0.356549151845746

Mean MEE:0.04528178756621995

Mean Errors:0.17498404728306652

mean Epochs:488.0----

Estimate error for model #127 of 8100

----Model: {'l\_dim': [17, 10, 1], 'a\_functions': ['sigmoid', 'tanh'], 'eta': 0.5, 'tau': (False, False), 'reg': ('lasso', 0.001), 'momentum': ('', 0), 'epochs': 500, 'batch\_shuffle': True, 'eps': 0.5, 'distribution': 'uniform', 'bias': 0, 'seed': 30, 'classification': [True], 'early\_stop': True, 'patience': 50, 'treshold\_variance': 1e-06, 'dim\_batch': 50}

Mean Train:0.033131424302536086

Mean Mae0.32889999662874836

Mean Validation:0.0980241786536022

Accuracy0.9838709677419355

Mean Rmse:0.4407683225008918

Mean MEE:0.05597763293527418

Mean Errors:0.2309175326796291

mean Epochs:500.0----

Estimate error for model #128 of 8100

----Model: {'l\_dim': [17, 10, 1], 'a\_functions': ['sigmoid', 'tanh'], 'eta': 0.5, 'tau': (False, False), 'reg': ('tikhonov', 0.0001), 'momentum': ('', 0), 'epochs': 500, 'batch\_shuffle': True, 'eps': 0.5, 'distribution': 'uniform', 'bias': 0, 'seed': 30, 'classification': [True], 'early\_stop': True, 'patience': 50, 'treshold\_variance': 1e-06, 'dim\_batch': 50}

Mean Train:0.008672464679257638

Mean Mae0.23242580346267416

Mean Validation:0.05982330888488698

Accuracy1.0

Mean Rmse:0.34479246267756397

Mean MEE:0.043788686548759066

Mean Errors:0.17020756539347104

mean Epochs:500.0----

Estimate error for model #129 of 8100

----Model: {'l\_dim': [17, 10, 1], 'a\_functions': ['sigmoid', 'tanh'], 'eta': 0.5, 'tau': (False, False), 'reg': ('lasso', 0.0001), 'momentum': ('', 0), 'epochs': 500, 'batch\_shuffle': True, 'eps': 0.5, 'distribution': 'uniform', 'bias': 0, 'seed': 30, 'classification': [True], 'early\_stop': True, 'patience': 50, 'treshold\_variance': 1e-06, 'dim\_batch': 50}

Mean Train:0.008143562152938084

Mean Mae0.23858698366009928

Mean Validation:0.06436483904313646

Accuracy1.0

Mean Rmse:0.356913375365321

Mean MEE:0.045328043999462414

Mean Errors:0.17629831051700479

mean Epochs:500.0----

Estimate error for model #113 of 8100

----Model: {'l\_dim': [17, 8, 1], 'a\_functions': ['relu', 'sigmoid'], 'eta': 0.5, 'tau': (False, False), 'reg': ('tikhonov', 0.0001), 'momentum': ('', 0), 'epochs': 500, 'batch\_shuffle': True, 'eps': 0.7, 'distribution': 'uniform', 'bias': 0, 'seed': 30, 'classification': [True], 'early\_stop': True, 'patience': 50, 'treshold\_variance': 1e-06, 'dim\_batch': 1}

Mean Train:0.030406531436229463

Mean Mae0.23967048136311553

Mean Validation:0.08045273767612855

Accuracy0.9838709677419355

Mean Rmse:0.39998896805984663

Mean MEE:0.050798649742275666

Mean Errors:0.1927277092103416

mean Epochs:298.0----

Estimate error for model #114 of 8100

----Model: {'l\_dim': [17, 8, 1], 'a\_functions': ['relu', 'sigmoid'], 'eta': 0.5, 'tau': (False, False), 'reg': ('lasso', 0.0001), 'momentum': ('', 0), 'epochs': 500, 'batch\_shuffle': True, 'eps': 0.7, 'distribution': 'uniform', 'bias': 0, 'seed': 30, 'classification': [True], 'early\_stop': True, 'patience': 50, 'treshold\_variance': 1e-06, 'dim\_batch': 1}

Mean Train:0.022175516457146213

Mean Mae0.21915797384254215

Mean Validation:0.08186453139768554

Accuracy1.0

Mean Rmse:0.4037832525147731

Mean MEE:0.05128052434992617

Mean Errors:0.18902157052623172

mean Epochs:266.0----

Estimate error for model #100 of 8100

----Model: {'l\_dim': [17, 8, 1], 'a\_functions': ['sigmoid', 'tanh'], 'eta': 0.5, 'tau': (False, False), 'reg': (False, False), 'momentum': ('', 0), 'epochs': 500, 'batch\_shuffle': True, 'eps': 0.7, 'distribution': 'uniform', 'bias': 0, 'seed': 30, 'classification': [True], 'early\_stop': True, 'patience': 50, 'treshold\_variance': 1e-06, 'dim\_batch': 1}

Mean Train:0.0006438299025829567

Mean Mae0.14308788683810225

Mean Validation:0.03443538777283319

Accuracy1.0

Mean Rmse:0.25746407471510446

Mean MEE:0.0326979701868048

Mean Errors:0.11692132987821117

mean Epochs:98.0----

Estimate error for model #101 of 8100

----Model: {'l\_dim': [17, 8, 1], 'a\_functions': ['sigmoid', 'tanh'], 'eta': 0.5, 'tau': (False, False), 'reg': ('tikhonov', 0.001), 'momentum': ('', 0), 'epochs': 500, 'batch\_shuffle': True, 'eps': 0.7, 'distribution': 'uniform', 'bias': 0, 'seed': 30, 'classification': [True], 'early\_stop': True, 'patience': 50, 'treshold\_variance': 1e-06, 'dim\_batch': 1}

Mean Train:0.04479708838800711

Mean Mae0.27778064120435897

Mean Validation:0.058637190066496286

Accuracy1.0

Mean Rmse:0.34232515775924

Mean MEE:0.04347533851078372

Mean Errors:0.18055458188521972

mean Epochs:500.0----

Estimate error for model #102 of 8100

----Model: {'l\_dim': [17, 8, 1], 'a\_functions': ['sigmoid', 'tanh'], 'eta': 0.5, 'tau': (False, False), 'reg': ('lasso', 0.001), 'momentum': ('', 0), 'epochs': 500, 'batch\_shuffle': True, 'eps': 0.7, 'distribution': 'uniform', 'bias': 0, 'seed': 30, 'classification': [True], 'early\_stop': True, 'patience': 50, 'treshold\_variance': 1e-06, 'dim\_batch': 1}

Mean Train:0.009142101427423936

Mean Mae0.14465500387023184

Mean Validation:0.01425417391401512

Accuracy1.0

Mean Rmse:0.16630996230801015

Mean MEE:0.021121386334514183

Mean Errors:0.08658513160669282

mean Epochs:332.0----

Estimate error for model #103 of 8100

----Model: {'l\_dim': [17, 8, 1], 'a\_functions': ['sigmoid', 'tanh'], 'eta': 0.5, 'tau': (False, False), 'reg': ('tikhonov', 0.0001), 'momentum': ('', 0), 'epochs': 500, 'batch\_shuffle': True, 'eps': 0.7, 'distribution': 'uniform', 'bias': 0, 'seed': 30, 'classification': [True], 'early\_stop': True, 'patience': 50, 'treshold\_variance': 1e-06, 'dim\_batch': 1}

Mean Train:0.003835071088806031

Mean Mae0.1404461706150974

Mean Validation:0.019382438463128808

Accuracy1.0

Mean Rmse:0.19463755716087489

Mean MEE:0.024718994478437947

Mean Errors:0.09479629017938476

mean Epochs:293.5----

Estimate error for model #104 of 8100

----Model: {'l\_dim': [17, 8, 1], 'a\_functions': ['sigmoid', 'tanh'], 'eta': 0.5, 'tau': (False, False), 'reg': ('lasso', 0.0001), 'momentum': ('', 0), 'epochs': 500, 'batch\_shuffle': True, 'eps': 0.7, 'distribution': 'uniform', 'bias': 0, 'seed': 30, 'classification': [True], 'early\_stop': True, 'patience': 50, 'treshold\_variance': 1e-06, 'dim\_batch': 1}

Mean Train:0.0028196817138949116

Mean Mae0.12423313773229286

Mean Validation:0.020863653960616624

Accuracy1.0

Mean Rmse:0.20345858028855096

Mean MEE:0.02583926553592443

Mean Errors:0.09359865937934622

mean Epochs:293.5----

Estimate error for model #105 of 8100

----Model: {'l\_dim': [17, 8, 1], 'a\_functions': ['sigmoid', 'tanh'], 'eta': 0.5, 'tau': (False, False), 'reg': (False, False), 'momentum': ('', 0), 'epochs': 500, 'batch\_shuffle': True, 'eps': 0.5, 'distribution': 'uniform', 'bias': 0, 'seed': 30, 'classification': [True], 'early\_stop': True, 'patience': 50, 'treshold\_variance': 1e-06, 'dim\_batch': 1}

Mean Train:0.0003665891648356367

Mean Mae0.1360514677295444

Mean Validation:0.032115701880266766

Accuracy1.0

Mean Rmse:0.25195118339399947

Mean MEE:0.031997832288886224

Mean Errors:0.1130290463231742

mean Epochs:115.0----

Estimate error for model #106 of 8100

----Model: {'l\_dim': [17, 8, 1], 'a\_functions': ['sigmoid', 'tanh'], 'eta': 0.5, 'tau': (False, False), 'reg': ('tikhonov', 0.001), 'momentum': ('', 0), 'epochs': 500, 'batch\_shuffle': True, 'eps': 0.5, 'distribution': 'uniform', 'bias': 0, 'seed': 30, 'classification': [True], 'early\_stop': True, 'patience': 50, 'treshold\_variance': 1e-06, 'dim\_batch': 1}

Mean Train:0.04426143066904418

Mean Mae0.28065316332979956

Mean Validation:0.060016612525294236

Accuracy1.0

Mean Rmse:0.3462045349774031

Mean MEE:0.04396801991017209

Mean Errors:0.18271058268566723

mean Epochs:500.0----

Estimate error for model #107 of 8100

----Model: {'l\_dim': [17, 8, 1], 'a\_functions': ['sigmoid', 'tanh'], 'eta': 0.5, 'tau': (False, False), 'reg': ('lasso', 0.001), 'momentum': ('', 0), 'epochs': 500, 'batch\_shuffle': True, 'eps': 0.5, 'distribution': 'uniform', 'bias': 0, 'seed': 30, 'classification': [True], 'early\_stop': True, 'patience': 50, 'treshold\_variance': 1e-06, 'dim\_batch': 1}

Mean Train:0.015873558050792675

Mean Mae0.16297966021415644

Mean Validation:0.02458779729098455

Accuracy1.0

Mean Rmse:0.2203249277551842

Mean MEE:0.027981293806216195

Mean Errors:0.10896841976663535

mean Epochs:332.0----

Estimate error for model #108 of 8100

----Model: {'l\_dim': [17, 8, 1], 'a\_functions': ['sigmoid', 'tanh'], 'eta': 0.5, 'tau': (False, False), 'reg': ('tikhonov', 0.0001), 'momentum': ('', 0), 'epochs': 500, 'batch\_shuffle': True, 'eps': 0.5, 'distribution': 'uniform', 'bias': 0, 'seed': 30, 'classification': [True], 'early\_stop': True, 'patience': 50, 'treshold\_variance': 1e-06, 'dim\_batch': 1}

Mean Train:0.0032269599223468982

Mean Mae0.12759992129655368

Mean Validation:0.01760169093984979

Accuracy1.0

Mean Rmse:0.1865857273946509

Mean MEE:0.023696411075543586

Mean Errors:0.08887093767664948

mean Epochs:294.0----

Estimate error for model #109 of 8100

----Model: {'l\_dim': [17, 8, 1], 'a\_functions': ['sigmoid', 'tanh'], 'eta': 0.5, 'tau': (False, False), 'reg': ('lasso', 0.0001), 'momentum': ('', 0), 'epochs': 500, 'batch\_shuffle': True, 'eps': 0.5, 'distribution': 'uniform', 'bias': 0, 'seed': 30, 'classification': [True], 'early\_stop': True, 'patience': 50, 'treshold\_variance': 1e-06, 'dim\_batch': 1}

Mean Train:0.0021047496576761674

Mean Mae0.08516410457544485

Mean Validation:0.009874490017647833

Accuracy1.0

Mean Rmse:0.14034284333373515

Mean MEE:0.0178235589269522

Mean Errors:0.063301249213445

mean Epochs:97.5----

Estimate error for model #88 of 8100

----Model: {'l\_dim': [17, 4, 1], 'a\_functions': ['sigmoid', 'tanh'], 'eta': 0.5, 'tau': (False, False), 'reg': ('tikhonov', 0.0001), 'momentum': ('', 0), 'epochs': 500, 'batch\_shuffle': True, 'eps': 0.5, 'distribution': 'uniform', 'bias': 0, 'seed': 30, 'classification': [True], 'early\_stop': True, 'patience': 50, 'treshold\_variance': 1e-06, 'dim\_batch': 1}

Mean Train:0.008463328578617693

Mean Mae0.1388964543900972

Mean Validation:0.0178087062280516

Accuracy1.0

Mean Rmse:0.18858110318321364

Mean MEE:0.02394982405410416

Mean Errors:0.09230902196386666

mean Epochs:500.0----

Estimate error for model #89 of 8100

----Model: {'l\_dim': [17, 4, 1], 'a\_functions': ['sigmoid', 'tanh'], 'eta': 0.5, 'tau': (False, False), 'reg': ('lasso', 0.0001), 'momentum': ('', 0), 'epochs': 500, 'batch\_shuffle': True, 'eps': 0.5, 'distribution': 'uniform', 'bias': 0, 'seed': 30, 'classification': [True], 'early\_stop': True, 'patience': 50, 'treshold\_variance': 1e-06, 'dim\_batch': 1}

Mean Train:0.0011220038333357605

Mean Mae0.06492890248775231

Mean Validation:0.007879413310281906

Accuracy1.0

Mean Rmse:0.1162489087629352

Mean MEE:0.014763626176526328

Mean Errors:0.05095521268437393

mean Epochs:163.0----

Estimate error for model #83 of 8100

----Model: {'l\_dim': [17, 4, 1], 'a\_functions': ['sigmoid', 'tanh'], 'eta': 0.5, 'tau': (False, False), 'reg': ('tikhonov', 0.0001), 'momentum': ('', 0), 'epochs': 500, 'batch\_shuffle': True, 'eps': 0.7, 'distribution': 'uniform', 'bias': 0, 'seed': 30, 'classification': [True], 'early\_stop': True, 'patience': 50, 'treshold\_variance': 1e-06, 'dim\_batch': 1}

Mean Train:0.008476689710344917

Mean Mae0.1391262478714727

Mean Validation:0.017911813446998784

Accuracy1.0

Mean Rmse:0.1891457815733852

Mean MEE:0.024021538281370214

Mean Errors:0.09255134529330672

mean Epochs:500.0----

Estimate error for model #84 of 8100

----Model: {'l\_dim': [17, 4, 1], 'a\_functions': ['sigmoid', 'tanh'], 'eta': 0.5, 'tau': (False, False), 'reg': ('lasso', 0.0001), 'momentum': ('', 0), 'epochs': 500, 'batch\_shuffle': True, 'eps': 0.7, 'distribution': 'uniform', 'bias': 0, 'seed': 30, 'classification': [True], 'early\_stop': True, 'patience': 50, 'treshold\_variance': 1e-06, 'dim\_batch': 1}

Mean Train:0.0015881843578246342

Mean Mae0.055598022091638985

Mean Validation:0.0071808593580280885

Accuracy1.0

Mean Rmse:0.10345632769537032

Mean MEE:0.013138966756285356

Mean Errors:0.04484354397533069

mean Epochs:260.0----

Estimate error for model #85 of 8100

----Model: {'l\_dim': [17, 4, 1], 'a\_functions': ['sigmoid', 'tanh'], 'eta': 0.5, 'tau': (False, False), 'reg': (False, False), 'momentum': ('', 0), 'epochs': 500, 'batch\_shuffle': True, 'eps': 0.5, 'distribution': 'uniform', 'bias': 0, 'seed': 30, 'classification': [True], 'early\_stop': True, 'patience': 50, 'treshold\_variance': 1e-06, 'dim\_batch': 1}

Mean Train:0.003498499007508305

Mean Mae0.16098060143416762

Mean Validation:0.032669644570595575

Accuracy1.0

Mean Rmse:0.2539374260795269

Mean MEE:0.032250085362201406

Mean Errors:0.11995943936162287

mean Epochs:131.0----

Estimate error for model #78 of 8100

----Model: {'l\_dim': [17, 10, 1], 'a\_functions': ['relu', 'sigmoid'], 'eta': 0.5, 'tau': (False, False), 'reg': ('tikhonov', 0.0001), 'momentum': ('', 0), 'epochs': 500, 'batch\_shuffle': True, 'eps': 0.5, 'distribution': 'uniform', 'bias': 0, 'seed': 30, 'classification': [True], 'early\_stop': True, 'patience': 50, 'treshold\_variance': 1e-06, 'dim\_batch': 1}

Mean Train:0.03062028417106797

Mean Mae0.23864840690882205

Mean Validation:0.07522673264928069

Accuracy0.9838709677419355

Mean Rmse:0.38677037018564164

Mean MEE:0.049119886133487174

Mean Errors:0.1874413489693079

mean Epochs:234.5----

Estimate error for model #79 of 8100

----Model: {'l\_dim': [17, 10, 1], 'a\_functions': ['relu', 'sigmoid'], 'eta': 0.5, 'tau': (False, False), 'reg': ('lasso', 0.0001), 'momentum': ('', 0), 'epochs': 500, 'batch\_shuffle': True, 'eps': 0.5, 'distribution': 'uniform', 'bias': 0, 'seed': 30, 'classification': [True], 'early\_stop': True, 'patience': 50, 'treshold\_variance': 1e-06, 'dim\_batch': 1}

Mean Train:0.03428746944242676

Mean Mae0.2201378157058067

Mean Validation:0.09010360304933772

Accuracy0.9838709677419355

Mean Rmse:0.4149462831058186

Mean MEE:0.05269823065269598

Mean Errors:0.19447148312841475

mean Epochs:172.5----

Estimate error for model #80 of 8100

----Model: {'l\_dim': [17, 4, 1], 'a\_functions': ['sigmoid', 'tanh'], 'eta': 0.5, 'tau': (False, False), 'reg': (False, False), 'momentum': ('', 0), 'epochs': 500, 'batch\_shuffle': True, 'eps': 0.7, 'distribution': 'uniform', 'bias': 0, 'seed': 30, 'classification': [True], 'early\_stop': True, 'patience': 50, 'treshold\_variance': 1e-06, 'dim\_batch': 1}

Mean Train:0.0026286916698281073

Mean Mae0.12540181866772776

Mean Validation:0.02474297550772128

Accuracy1.0

Mean Rmse:0.2223656008964788

Mean MEE:0.028240459554326486

Mean Errors:0.10018771365656358

mean Epochs:231.5----

Estimate error for model #73 of 8100

----Model: {'l\_dim': [17, 10, 1], 'a\_functions': ['relu', 'sigmoid'], 'eta': 0.5, 'tau': (False, False), 'reg': ('tikhonov', 0.0001), 'momentum': ('', 0), 'epochs': 500, 'batch\_shuffle': True, 'eps': 0.7, 'distribution': 'uniform', 'bias': 0, 'seed': 30, 'classification': [True], 'early\_stop': True, 'patience': 50, 'treshold\_variance': 1e-06, 'dim\_batch': 1}

Mean Train:0.026390113454366433

Mean Mae0.2595988316036748

Mean Validation:0.07674717662815381

Accuracy1.0

Mean Rmse:0.3908730616988104

Mean MEE:0.04964092847670221

Mean Errors:0.1942149996018353

mean Epochs:311.5----

Estimate error for model #67 of 8100

----Model: {'l\_dim': [17, 10, 1], 'a\_functions': ['sigmoid', 'tanh'], 'eta': 0.5, 'tau': (False, False), 'reg': ('lasso', 0.001), 'momentum': ('', 0), 'epochs': 500, 'batch\_shuffle': True, 'eps': 0.5, 'distribution': 'uniform', 'bias': 0, 'seed': 30, 'classification': [True], 'early\_stop': True, 'patience': 50, 'treshold\_variance': 1e-06, 'dim\_batch': 1}

Mean Train:0.017861501285877483

Mean Mae0.13132054957043462

Mean Validation:0.01978948957483833

Accuracy1.0

Mean Rmse:0.1912184716776569

Mean MEE:0.02428477018784475

Mean Errors:0.09165332025269365

mean Epochs:358.5----

Estimate error for model #68 of 8100

----Model: {'l\_dim': [17, 10, 1], 'a\_functions': ['sigmoid', 'tanh'], 'eta': 0.5, 'tau': (False, False), 'reg': ('tikhonov', 0.0001), 'momentum': ('', 0), 'epochs': 500, 'batch\_shuffle': True, 'eps': 0.5, 'distribution': 'uniform', 'bias': 0, 'seed': 30, 'classification': [True], 'early\_stop': True, 'patience': 50, 'treshold\_variance': 1e-06, 'dim\_batch': 1}

Mean Train:0.003881520686957029

Mean Mae0.14212736055155173

Mean Validation:0.02196969103225784

Accuracy1.0

Mean Rmse:0.202090835970065

Mean MEE:0.025665561833772915

Mean Errors:0.09796336234691186

mean Epochs:296.0----

Estimate error for model #69 of 8100

----Model: {'l\_dim': [17, 10, 1], 'a\_functions': ['sigmoid', 'tanh'], 'eta': 0.5, 'tau': (False, False), 'reg': ('lasso', 0.0001), 'momentum': ('', 0), 'epochs': 500, 'batch\_shuffle': True, 'eps': 0.5, 'distribution': 'uniform', 'bias': 0, 'seed': 30, 'classification': [True], 'early\_stop': True, 'patience': 50, 'treshold\_variance': 1e-06, 'dim\_batch': 1}

Mean Train:0.0023456625827422434

Mean Mae0.10081748502781522

Mean Validation:0.011209510986267653

Accuracy1.0

Mean Rmse:0.13293938216720316

Mean MEE:0.016883318418561662

Mean Errors:0.06546242414996192

mean Epochs:165.5----

Estimate error for model #63 of 8100

----Model: {'l\_dim': [17, 10, 1], 'a\_functions': ['sigmoid', 'tanh'], 'eta': 0.5, 'tau': (False, False), 'reg': ('tikhonov', 0.0001), 'momentum': ('', 0), 'epochs': 500, 'batch\_shuffle': True, 'eps': 0.7, 'distribution': 'uniform', 'bias': 0, 'seed': 30, 'classification': [True], 'early\_stop': True, 'patience': 50, 'treshold\_variance': 1e-06, 'dim\_batch': 1}

Mean Train:0.003643597115033724

Mean Mae0.1425145089992435

Mean Validation:0.025718756278417788

Accuracy1.0

Mean Rmse:0.20485176211364828

Mean MEE:0.02601619980464614

Mean Errors:0.09977530679898892

mean Epochs:152.0----

Estimate error for model #64 of 8100

----Model: {'l\_dim': [17, 10, 1], 'a\_functions': ['sigmoid', 'tanh'], 'eta': 0.5, 'tau': (False, False), 'reg': ('lasso', 0.0001), 'momentum': ('', 0), 'epochs': 500, 'batch\_shuffle': True, 'eps': 0.7, 'distribution': 'uniform', 'bias': 0, 'seed': 30, 'classification': [True], 'early\_stop': True, 'patience': 50, 'treshold\_variance': 1e-06, 'dim\_batch': 1}

Mean Train:0.0025447921755100003

Mean Mae0.12190563231506496

Mean Validation:0.023293772372633595

Accuracy1.0

Mean Rmse:0.1921629120671317

Mean MEE:0.024404714237252167

Mean Errors:0.0904417577480206

mean Epochs:92.5----

Estimate error for model #65 of 8100

----Model: {'l\_dim': [17, 10, 1], 'a\_functions': ['sigmoid', 'tanh'], 'eta': 0.5, 'tau': (False, False), 'reg': (False, False), 'momentum': ('', 0), 'epochs': 500, 'batch\_shuffle': True, 'eps': 0.5, 'distribution': 'uniform', 'bias': 0, 'seed': 30, 'classification': [True], 'early\_stop': True, 'patience': 50, 'treshold\_variance': 1e-06, 'dim\_batch': 1}

Mean Train:0.0005356386265974213

Mean Mae0.12138313996142933

Mean Validation:0.027333625910855676

Accuracy1.0

Mean Rmse:0.21772912815038167

Mean MEE:0.027651626926739226

Mean Errors:0.09852438023735148

mean Epochs:96.0----

Estimate error for model #60 of 8100

----Model: {'l\_dim': [17, 10, 1], 'a\_functions': ['sigmoid', 'tanh'], 'eta': 0.5, 'tau': (False, False), 'reg': (False, False), 'momentum': ('', 0), 'epochs': 500, 'batch\_shuffle': True, 'eps': 0.7, 'distribution': 'uniform', 'bias': 0, 'seed': 30, 'classification': [True], 'early\_stop': True, 'patience': 50, 'treshold\_variance': 1e-06, 'dim\_batch': 1}

Mean Train:0.0005244169321866538

Mean Mae0.1390178400604628

Mean Validation:0.035033940038631514

Accuracy1.0

Mean Rmse:0.2343210119269016

Mean MEE:0.029758798273529657

Mean Errors:0.10953289757488141

mean Epochs:95.5----