gbm B Rel. Val. RMSE: -53 Validation Rel. Val. RMSE: -53 Allowable RMSE: 131	1250 - 1225 - 1200 - 1175 - 1150 - 1100 - 1075 -	Model Predicting Holdout Dataset GBM_grid1_AutoML_20210422_112434_model_2	Model Predicting Training Time Series GBM_grid_1_AutoML_20210422_112434_model_2 2000 - 1750 - 1500 - 1000 - 750 - 500 - 250 - 0 -	Model Predicting Holdout Time Series GBM_grid_1_AutoML_20210422_112434_model_2 1300 - 1200 - 1100 - 900 - 800 - 700 -	Residual Plot GBM_grid1_AutoML_20210422_112434_model_2 100100200300 -
0.0 0.2 0.4 0.6 0.8 1.0 1600 1 1000	1175 -	700 800 900 1000 1100 1200 1300 Model Predicting Holdout Dataset GBM_2_AutoML_20210422_112434 700 800 900 1000 1100 1200 1300 Model Predicting Holdout Dataset XGBoost_3_AutoML_20210422_112434	0 250 500 750 1000 1250 1500 1750 Model Predicting Training Time Series GBM_2_AutoML_20210422_112434 2000 1750 1500 1250 0 250 500 750 1000 1250 1500 1750 Model Predicting Training Time Series XGBoost_3_AutoML_20210422_112434	Model Predicting Holdout Time Series GBM_2_AutoML_20210422_112434 1300 - 1200 - 1100 - 1000 - 900 - 800 - 700	Residual Plot GBM_2_AutoML_20210422_112434 200 -100 -200 -300 -400 -400 -20 -400 -20 -300 -400 -20 -300 -400 -20 -300 -300 -300 -300 -300 -300 -30
xgboost B Rel. Val. RMSE: -48 Validation Rel. Val. RMSE: -48 Allowable RMSE: 131 250 250 250 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0	1250 -	XGBoost_3_AutoML_20210422_112434 700 800 900 1000 1100 1200 1300 Model Predicting Holdout Dataset GBM_4_AutoML_20210422_112434	XGBoost_3_AutoML_20210422_112434 2000	1300 - 1200 - 1100 - 1000 - 900 - 800 - 700 - 0 20 40 60 80 100 Model Predicting Holdout Time Series GBM_4_AutoML_20210422_112434	XGBoost_3_AutoML_20210422_112434 100 -
gbm B 1200 - 100 -	1200 - 1150 - 1100 - 1100 - 1050 - 0 250 500 750 1000 1250 1500 1750 2000 Model Predicting Training Dataset GBM_3_AutoML_20210422_112434	700 800 900 1000 1100 1200 1300 Model Predicting Holdout Dataset GBM_3_AutoML_20210422_112434	1750 - 1500 - 1000 - 750 - 500 - 250 - 0 250 500 750 1000 1250 1500 1750 Model Predicting Training Time Series GBM_3_AutoML_20210422_112434	1300 - 1200 - 1100 - 1100 - 10	100 - 0 - 100 100 200 300 400 - 0 - 20
gbm B Rel. Val. RMSE: -40 Validation Rel. Val. RMSE: -40 Allowable RMSE: 131 200 800 800 200 1750 180 180 180 180 180 180 180 180 180 18	- 1125 -	700 800 900 1000 1100 1200 1300 Model Predicting Holdout Dataset GBM_1_AutoML_20210422_112434	1750 - 1500 - 1250 - 1000 - 750 - 500 - 250 - Model Predicting Training Time Series GBM_1_AutoML_20210422_112434	1200 - 1100 - 10	-10020030040040040060 80 100 Residual Plot GBM_1_AutoML_20210422_112434
gbm B Rel. Val. RMSE: -38 Validation Rel. Val. RMSE: -37 Allowable RMSE: 131 0.0 0.0 0.0 0.0 0.0 0.0 0.0	1200 - 1150 - 1150 - 1100 - 1050 -	700 800 900 1000 1100 1200 1300 Model Predicting Holdout Dataset GBM_5_AutoML_20210422_112434	1500 - 1250 - 1000 - 750 - 500 - 250 - 0 - 250 - Model Predicting Training Time Series GBM_5_AutoML_20210422_112434	1100 - 10	-1002003004005005005006
Rel. Val. RMSE: -37 Validation Rel. Val. RMSE: -37 Allowable RMSE: 131 O.2 O.0 O.0 O.0 Stackedensemble B Rel. Val. RMSE: -11	1150 - 1100 - 1050 - 1000 - 1000 - 1000 - Model Predicting Training Dataset StackedEnsemble_AllModels_AutoML_20210422_112434 1200 -	700 800 900 1000 1100 1200 1300 Model Predicting Holdout Dataset StackedEnsemble_AllModels_AutoML_20210422_112434	1250 - 1000 - 750 - 500 - 250 - 0 250 500 750 1000 1250 1500 1750 Model Predicting Training Time Series StackedEnsemble_AllModels_AutoML_20210422_112434	1000 - 900 - 800 - 700 - 0 20 40 60 80 100 Model Predicting Holdout Time Series StackedEnsemble_AllModels_AutoML_20210422_112434	-100200300400500 - 0 20 40 60 80 100 Residual Plot StackedEnsemble_AllModels_AutoML_20210422_112434
Validation Rel. Val. RMSE: -10 Allowable RMSE: 131 Output Diagram Stackedensemble B Rel. Val. RMSE: -11 Validation Rel. Val. RMSE: -10 Validation Rel. Val. RMSE: -10 Validation Rel. Val. RMSE: -10	1000 - 900 - 0 250 500 750 1000 1250 1500 1750 2000 Model Predicting Training Dataset StackedEnsemble_BestOfFamily_AutoML_20210422_112434 1200 -	700 800 900 1000 1100 1200 1300 Model Predicting Holdout Dataset StackedEnsemble_BestOfFamily_AutoML_20210422_112434	1000 - 500 - 0 250 500 750 1000 1250 1500 1750 Model Predicting Training Time Series StackedEnsemble_BestOfFamily_AutoML_20210422_112434 2000 - 1500 -	1000 - 900 - 800 - 700 - 0 20 40 60 80 100 Model Predicting Holdout Time Series StackedEnsemble_BestOfFamily_AutoML_20210422_112434	-200400 - 0 20 40 60 80 100 Residual Plot StackedEnsemble_BestOfFamily_AutoML_20210422_112434
Allowable RMSE: 131	900 - 0 250 500 750 1000 1250 1500 1750 2000 Model Predicting Training Dataset GBM_grid_1_AutoML_20210422_112434_model_1 1200 - 1100 -	700 800 900 1000 1100 1200 1300 Model Predicting Holdout Dataset GBM_grid_1_AutoML_20210422_112434_model_1	500 - 0 250 500 750 1000 1250 1500 1750 Model Predicting Training Time Series GBM_grid_1_AutoML_20210422_112434_model_1 2000 - 1750 - 1500 - 1250 - 1000 - 750 - 1000 - 1000 - 1000 - 1000 - 1000 - 1000 - 1000 - 1000 - 1000 - 1000 - 1000 - 1000 - 1000 -	900 - 800 - 700 - 0 20 40 60 80 100 Model Predicting Holdout Time Series GBM_grid_1_AutoML_20210422_112434_model_1 1300 - 1200 - 1100 - 1000 - 900 -	-200400 - 0 20 40 60 80 100 Residual Plot GBM_grid_1_AutoML_20210422_112434_model_1 400 - 200 - 0 -
deeplearning B Rel. Val. RMSE: -10 Validation Rel. Val. RMSE: -10 Allowable RMSE: 131	0 250 500 750 1000 1250 1500 1750 2000 Model Predicting Training Dataset DeepLearning_grid_2_AutoML_20210422_112434_model_1 1400 1200	Model Predicting Holdout Dataset DeepLearning_grid2_AutoML_20210422_112434_model_1	500 - 250 - 500 750 1000 1250 1500 1750 Model Predicting Training Time Series DeepLearning_grid_2_AutoML_20210422_112434_model_1	800 - 700 - 0 20 40 60 80 100 Model Predicting Holdout Time Series DeepLearning_grid_2_AutoML_20210422_112434_model_1 1400 - 1300 - 1200 - 1100 - 1000 - 900 - 800 - 1000 - 900 - 800 - 1000	-2004004004002003004
2000 - 1.0	1050 - 1000 - 950 -		0 250 500 750 1000 1250 1500 1750 Model Predicting Training Time Series XGBoost_grid1_AutoML_20210422_112434_model_1 2000 - 1500 - 1000 - 1000 1250 1500 1750 Model Predicting Training Time Series XGBoost_grid1_AutoML_20210422_112434_model_1	800 - 700 - 0 20 40 60 80 100 Model Predicting Holdout Time Series XGBoost_grid1_AutoML_20210422_112434_model_1 1300 - 1200 - 1100 - 1000 - 900 - 800 - 700 - 10	-500 -
0.0 0.0 0.2 0.4 0.6 0.8 1.0 Old	1200 - 1100 - 1000 - 0 250 500 750 1000 1250 1500 1750 2000	700 800 900 1000 1100 1200 1300 Model Predicting Holdout Dataset GLM_1_AutoML_20210422_112434	0 250 500 750 1000 1250 1500 1750 Model Predicting Training Time Series GLM_1_AutoML_20210422_112434 3000 2500 2500 3000 2500 5000 7500 10000 12500 15000 17500 10000 12500 17500 10000 12500 17500 10000 17500 10000 17500 10000 17500 10000 17500 17500 10000 17500	1400 - 10	0 20 40 60 80 100 Residual Plot GLM_1_AutoML_20210422_112434 300 200 -100 -200 -300 -400 -500 Residual Plot
deeplearning B Rel. Val. RMSE: -3 Validation Rel. Val. RMSE: -2 Allowable RMSE: 131 -2000 -2000 -2000	1200 -	Model Predicting Holdout Dataset DeepLearning_grid1_AutoML_20210422_112434_model_1 700 800 900 1000 1100 1200 1300 Model Predicting Holdout Dataset XGBoost_2_AutoML_20210422_112434	Model Predicting Training Time Series DeepLearning_grid1_AutoML_20210422_112434_model_1 2000 1000 -2000 0 250 500 750 1000 1250 1500 1750 Model Predicting Training Time Series XGBoost_2_AutoML_20210422_112434	Model Predicting Holdout Time Series DeepLearning_grid1_AutoML_20210422_112434_model_1 1300 -	DeepLearning_grid1_AutoML_20210422_112434_model_1 400 -
xgboost B Rel. Val. RMSE: -2 Validation Rel. Val. RMSE: -2 Allowable RMSE: 131 250 250 250 2000 1750	1100 -	700 800 900 1000 1100 1200 1300 Model Predicting Holdout Dataset XRT_1_AutoML_20210422_112434	2000 - 1500 - 1000 - 500 - 0 250 500 750 1000 1250 1500 1750 Model Predicting Training Time Series XRT_1_AutoML_20210422_112434	1300 - 1200 - 1100 - 1000 - 900 - 800 - 700 - 0	300 - 200 - 100200300400400200300400200300400200300400200300400300
o.8 - drf B Rel. Val. RMSE: 0 Validation Rel. Val. RMSE: 0 Allowable RMSE: 131 o.2 - 0.0 0.0 0.2 0.4 0.6 0.8 1.0 1500 - 0.0 0.2 0.4 0.6 0.8 1.0	1100 - 1000 - 0 250 500 750 1000 1250 1500 1750 2000 Model Predicting Training Dataset XGBoost_1_AutoML_20210422_112434	700 800 900 1000 1100 1200 1300 Model Predicting Holdout Dataset XGBoost_1_AutoML_20210422_112434	1750 - 1500 - 1250 - 1000 - 750 - 500 - 250 - Model Predicting Training Time Series XGBoost_1_AutoML_20210422_112434	1200 - 1100 - 1000 - 900 - 800 - 700 - 0	200 - 100
xgboost B Rel. Val. RMSE: 13 Validation Rel. Val. RMSE: 13 Allowable RMSE: 131 250 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0	1000	700 800 900 1000 1100 1200 1300 Model Predicting Holdout Dataset DRF_1_AutoML_20210422_112434	1000 - 500 - 0 250 500 750 1000 1250 1500 1750 Model Predicting Training Time Series DRF_1_AutoML_20210422_112434	1100 - 1000 - 900 - 800 - 700 - 0 20 40 60 80 100 Model Predicting Holdout Time Series DRF_1_AutoML_20210422_112434	200
Rel. Val. RMSE: 29 Validation Rel. Val. RMSE: 29 Allowable RMSE: 131 O.2 O.0 O.0 O.0 D.0 D.0 D.0 D.0 D.0	1000 - 0 250 500 750 1000 1250 1500 1750 2000 Model Predicting Training Dataset DeepLearning_1_AutoML_20210422_112434 1500 - 1400 -	700 800 900 1000 1100 1200 1300 Model Predicting Holdout Dataset DeepLearning_1_AutoML_20210422_112434	1250 - 1000 - 750 - 500 - 250 - 0 250 500 750 1000 1250 1500 1750 Model Predicting Training Time Series DeepLearning_1_AutoML_20210422_112434	1000 - 800 - 600 - 600 - 80 100 Model Predicting Holdout Time Series DeepLearning_1_AutoML_20210422_112434	20020040040020040020
Validation Rel. Val. RMSE: 78 Allowable RMSE: 131 Output Diagram A Rel. Val. RMSE: 80 Validation Rel. Val. RMSE: 80 Validation Rel. Val. RMSE: 80 Validation Rel. Val. RMSE: 80	900 - 800 - 0 250 500 750 1000 1250 1500 1750 2000 Model Predicting Training Dataset GBM_2_AutoML_20210422_112248 1700 -	700 800 900 1000 1100 1200 1300 Model Predicting Holdout Dataset GBM_2_AutoML_20210422_112248	500 - 0 250 500 750 1000 1250 1500 1750 Model Predicting Training Time Series GBM_2_AutoML_20210422_112248	1000 - 900 - 800 - 700 - 0 20 40 60 80 100 Model Predicting Holdout Time Series GBM_2_AutoML_20210422_112248	-200400600 - 0 20 40 60 80 100 Residual Plot GBM_2_AutoML_20210422_112248
Allowable RMSE: 160 800 600 100 100 100 100 100	1300 - 0 500 1000 1500 2000 Model Predicting Training Dataset GBM_4_AutoML_20210422_112248 1650 - 1500 - 1500 -	1000 1200 1400 1600 1800 2000 Model Predicting Holdout Dataset GBM_4_AutoML_20210422_112248	500 - 0 250 500 750 1000 1250 1500 1750 Model Predicting Training Time Series GBM_4_AutoML_20210422_112248	1200 - 1000 - 1000 - 0 20 40 60 80 100 Model Predicting Holdout Time Series GBM_4_AutoML_20210422_112248 2000 - 1800 - 1400 -	0 - 200 - 40 60 80 100 Residual Plot GBM_4_AutoML_20210422_112248 600 - 400 - 200 - 0 - 0 - 0 - 0 - 0 - 0 - 0 - 0
xgboost A Rel. Val. RMSE: 92 Validation Rel. Val. RMSE: 93 Allowable RMSE: 160	0 500 1000 1500 2000 Model Predicting Training Dataset XGBoost_grid1_AutoML_20210422_112248_model_1 1800 -	1000 1200 1400 1600 1800 2000 Model Predicting Holdout Dataset XGBoost_grid1_AutoML_20210422_112248_model_1	500 - 0 250 500 750 1000 1250 1500 1750 Model Predicting Training Time Series XGBoost_grid_1_AutoML_20210422_112248_model_1 2000 - 1500 - 1000 - 1000 1250 1500 1750 Model Predicting Training Time Series AutoML_20210422_112248_model_1	1200 - 10	-400 - 0 20 40 60 80 100 Residual Plot XGBoost_grid1_AutoML_20210422_112248_model_1 1000 - 800 - 600 - 400 - 200 - 0 - 0 - 0 - 0 - 0 - 0 - 0 - 0
gbm A Rel. Val. RMSE: 93 Validation Rel. Val. RMSE: 94 Allowable RMSE: 160 800 800 800 800		1000 1200 1400 1600 1800 2000 Model Predicting Holdout Dataset GBM_3_AutoML_20210422_112248	0 250 500 750 1000 1250 1500 1750 Model Predicting Training Time Series GBM_3_AutoML_20210422_112248 2000 - 1500 - 500	800 - 0 20 40 60 80 100 Model Predicting Holdout Time Series GBM_3_AutoML_20210422_112248 2000 - 1800 - 1400 - 1200 - 1200 - 1000 - 1	-200 - 0 20 40 60 80 100 Residual Plot GBM_3_AutoML_20210422_112248 600 - 400 - 0200400 -
xgboost A Rel. Val. RMSE: 93 Validation Rel. Val. RMSE: 94 Allowable RMSE: 160 0.2 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0	1400 - 1300 - 1300 - 1200 -	1000 1200 1400 1600 1800 2000 Model Predicting Holdout Dataset XGBoost_3_AutoML_20210422_112248 1000 1200 1400 1600 1800 2000 Model Predicting Holdout Dataset	2000 - 1500	1800 - 10	0 20 40 60 80 100 Residual Plot XGBoost_3_AutoML_20210422_112248 800 600 -200 -400 0 20 40 60 80 100 Residual Plot
gbm A Rel. Val. RMSE: 96 Validation Rel. Val. RMSE: 97 Allowable RMSE: 160 1600 - 1200 - 1200 - 100	1500 -	Model Predicting Holdout Dataset GBM_1_AutoML_20210422_112248 1000 1200 1400 1600 1800 2000 Model Predicting Holdout Dataset GBM_5_AutoML_20210422_112248	Model Predicting Training Time Series GBM_1_AutoML_20210422_112248 2000 -	Model Predicting Holdout Time Series GBM_1_AutoML_20210422_112248 2000 - 1800 - 1400 - 1000 - 0 20 40 60 80 100 Model Predicting Holdout Time Series GBM_5_AutoML_20210422_112248	Residual Plot GBM_1_AutoML_20210422_112248 600 400 200 -200 -400 -600 Residual Plot GBM_5_AutoML_20210422_112248
gbm A Rel. Val. RMSE: 98 Validation Rel. Val. RMSE: 99 Allowable RMSE: 160 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0	1400 -	1000 1200 1400 1600 1800 2000 Model Predicting Holdout Dataset GBM_grid_1_AutoML_20210422_112248_model_2	2000 - 1500 - 1000 - 0 250 500 750 1000 1250 1500 1750 Model Predicting Training Time Series GBM_grid_1_AutoML_20210422_112248_model_2	2000 - 1800 - 1600 - 1200 - 10	600 - 400 - 200200400 - 0 - 20
gbm A Rel. Val. RMSE: 100 Validation Rel. Val. RMSE: 101 Allowable RMSE: 160 0.2 0.0 0.0 0.0 0.0 0.0 0.0 0	1300 - 1200 - 1100 - 1000 - 1000 - 1000 - Model Predicting Training Dataset StackedEnsemble_AllModels_AutoML_20210422_112248 1800 - 1700 -	1000 1200 1400 1600 1800 2000 Model Predicting Holdout Dataset StackedEnsemble_AllModels_AutoML_20210422_112248	1500 - 1000 - 500 - 0 250 500 750 1000 1250 1500 1750 Model Predicting Training Time Series StackedEnsemble_AllModels_AutoML_20210422_112248	1800 - 1600 - 1400 - 1200 - 1000 - 0 20 40 60 80 100 Model Predicting Holdout Time Series StackedEnsemble_AllModels_AutoML_20210422_112248 2000 - 1800 -	400 - 200 - 0 - 200 - 40 60 80 100 Residual Plot StackedEnsemble_AllModels_AutoML_20210422_112248
stackedensemble A Rel. Val. RMSE: 107 Validation Rel. Val. RMSE: 107 Allowable RMSE: 160 stackedensemble A rel. Val. RMSE: 107 Allowable RMSE: 160 stackedensemble A stackedensemble A	1500 - 1400 - 1300 - 1200 - 1100 - 1000 1500 2000 1000 - 1000 - 1000 - 1000 - 1700 - 1700 -	1000 1200 1400 1600 1800 2000 Model Predicting Holdout Dataset StackedEnsemble_BestOfFamily_AutoML_20210422_112248	1500 - 1000 - 500 - 0 250 500 750 1000 1250 1500 1750 Model Predicting Training Time Series StackedEnsemble_BestOfFamily_AutoML_20210422_112248 2000 - 1500 -	1800 - 1600 - 1400 - 1200 - 10	400 - 200 - 0 - 200 - 40 60 80 100 Residual Plot StackedEnsemble_BestOfFamily_AutoML_20210422_112248
Rel. Val. RMSE: 108 Validation Rel. Val. RMSE: 108 Allowable RMSE: 160 2000 gbm A	1500 - 1400 - 1300 - 1200 - 1100 - 1000 - Model Predicting Training Dataset GBM_grid_1_AutoML_20210422_112248_model_1 1800 - 1700 -	1000 1200 1400 1600 1800 2000 Model Predicting Holdout Dataset GBM_grid_1_AutoML_20210422_112248_model_1	1000 - 500 - 0	1600 - 1400 - 1200 - 1000 - 0 20 40 60 80 100 Model Predicting Holdout Time Series GBM_grid_1_AutoML_20210422_112248_model_1 2000 - 1800 - 1600 -	400 - 200 - 0 - 20
Rel. Val. RMSE: 113 Validation Rel. Val. RMSE: 114 Allowable RMSE: 160 0.2 0.0 0.0 0.2 0.4 0.6 0.8 0.8	1500 - 1400 - 1300 - 1200 - 1100 - 1000 -	1000 1200 1400 1600 1800 2000	1000 - 500 - 0 250 500 750 1000 1250 1500 1750	1600 - 1400 - 1200 - 1000 - 0 20 40 60 80 100	200 -