gbm B Rel. Val. RMSE: -48 Validation Rel. Val. RMSE: -48 Allowable RMSE: 131	Model Predicting Training Dataset GBM_2_AutoML_20210422_105513 1400 1300 1100 1000 900 800 0 250 500 750 1000 1250 1500 1750 2000	Model Predicting Holdout Dataset GBM_2_AutoML_20210422_105513 1175 - 1170 - 1165 - 1150 - 1145 - 1140 - 700 800 900 1000 1100 1200 1300	Model Predicting Training Time Series GBM_2_AutoML_20210422_105513 2000 - 1750 - 1500 - 1250 - 1000 1250 1500 1750	Model Predicting Holdout Time Series GBM_2_AutoML_20210422_105513 1300 -	Residual Plot GBM_2_AutoML_20210422_105513 100 -
gbm B Rel. Val. RMSE: -46 Validation Rel. Val. RMSE: -46 Allowable RMSE: 131	Model Predicting Training Dataset GBM_grid1_AutoML_20210422_105513_model_2 1200 - 1175 - 1150 - 1075 - 1050 - 0 250 500 750 1000 1250 1500 1750 2000 Model Predicting Training Dataset GBM_3_AutoML_20210422_105513	Model Predicting Holdout Dataset GBM_grid_1_AutoML_20210422_105513_model_2 1200 - 1190 - 1170 - 1160 - 700 800 900 1000 1100 1200 1300 Model Predicting Holdout Dataset GBM_3_AutoML_20210422_105513	Model Predicting Training Time Series GBM_grid_1_AutoML_20210422_105513_model_2 2000 -	Model Predicting Holdout Time Series GBM_grid_1_AutoML_20210422_105513_model_2 1300 -	Residual Plot GBM_grid_1_AutoML_20210422_105513_model_2 100 -
gbm B Rel. Val. RMSE: -44 Validation Rel. Val. RMSE: -44 Allowable RMSE: 131	1400 - 1200 - 1100 - 1000 - 1250 - 1500 - 1750 - 2000 Model Predicting Training Dataset GBM_1_AutoML_20210422_105513	1180 - 1160 - 1120 - 1100 - 1100 - 1200 1300 Model Predicting Holdout Dataset GBM_1_AutoML_20210422_105513	2000 - 1750 - 1000 - 750 - 500 - 250 - 0 250 500 750 1000 1250 1500 1750 Model Predicting Training Time Series GBM_1_AutoML_20210422_105513	1300 - 1200 - 1100 - 1000 - 900 - 800 - 700 - 0 20 40 60 80 100 Model Predicting Holdout Time Series GBM_1_AutoML_20210422_105513	100 -
gbm B Rel. Val. RMSE: -43 Validation Rel. Val. RMSE: -43 Allowable RMSE: 131	1300 - 1200 - 1100 - 1000 - 900 - 800 - 700 - 600 - 0 250 500 750 1000 1250 1500 1750 2000 Model Predicting Training Dataset XGBoost_3_AutoML_20210422_105513	1240 - 1220 - 1200 - 1180 - 1160 - 1140 - 1120 - 1100 - 700 800 900 1000 1100 1200 1300 Model Predicting Holdout Dataset	1750 - 1500 - 1250 - 1000 - 750 - 500 - 250 - Model Predicting Training Time Series XGBoost_3_AutoML_20210422_105513	1200 - 1100 - 10	100 - 0100200300400500 - 0 20 40 60 80 100 Residual Plot XGBoost_3_AutoML_20210422_105513
xgboost B Rel. Val. RMSE: -39 Validation Rel. Val. RMSE: -39 Allowable RMSE: 131	1250 - 1000 - 750 - 500 - 250 - 500 750 1000 1250 1500 1750 2000 Model Predicting Training Dataset GBM_4_AutoML_20210422_105513	1200 - 1150 - 1050 - 700 800 900 1000 1100 1200 1300 Model Predicting Holdout Dataset GBM_4_AutoML_20210422_105513	1750 - 1250 - 1000 - 750 - 250 - 0 250 500 750 1000 1250 1500 1750 Model Predicting Training Time Series GBM_4_AutoML_20210422_105513	1200 - 1100 - 10	010020030040040040060 80 100 Residual Plot GBM_4_AutoML_20210422_105513
gbm B Rel. Val. RMSE: -38 Validation Rel. Val. RMSE: -38 Allowable RMSE: 131	1200 - 1000 - 1000 - 1000 - 1250 - 1500 - 1750 - 2000 Model Predicting Training Dataset GBM_5_AutoML_20210422_105513	1180 - 1160 - 1140 - 1120 - 700 800 900 1000 1100 1200 1300 Model Predicting Holdout Dataset GBM_5_AutoML_20210422_105513	1500 - 1250 - 1000 - 750 - 500 - 250 - 0 250 500 750 1000 1250 1500 1750 Model Predicting Training Time Series GBM_5_AutoML_20210422_105513	1100 - 1000 - 900 - 800 - 700 - 0 20 40 60 80 100 Model Predicting Holdout Time Series GBM_5_AutoML_20210422_105513 1300 - 1200 -	-100200300400500 - 0
gbm B Rel. Val. RMSE: -35 Validation Rel. Val. RMSE: -34 Allowable RMSE: 131	1000 - 800 - 600 - 400 - 0 250 500 750 1000 1250 1500 1750 2000 Model Predicting Training Dataset GLM_1_AutoML_20210422_105513	1200 - 1150 - 1100 - 1100 - 1200 1300 Model Predicting Holdout Dataset GLM_1_AutoML_20210422_105513	1250 - 1000 - 750 - 500 - 250 - 0 250 500 750 1000 1250 1500 1750 Model Predicting Training Time Series GLM_1_AutoML_20210422_105513	1100 - 1000 - 900 - 800 - 700 - 0	-100200300400500 - 0 20 40 60 80 100 Residual Plot GLM_1_AutoML_20210422_105513
Rel. Val. RMSE: -29 Validation Rel. Val. RMSE: -29 Allowable RMSE: 131 0.2 0.0 0.0 0.0 0.0 0.8 gbm B Rel. Val. RMSE: -17	1000 - 500 - 0500 - 0 - 250 500 750 1000 1250 1500 1750 2000 Model Predicting Training Dataset GBM_grid_1_AutoML_20210422_105513_model_1 1750 - 1500 - 1250 -	1150 - 1100 - 1050 - 1000 - 950 - 700 800 900 1000 1100 1200 1300 Model Predicting Holdout Dataset GBM_grid_1_AutoML_20210422_105513_model_1 1300 - 1200 -	1000 - 500 - 0 250 500 750 1000 1250 1500 1750 Model Predicting Training Time Series GBM_grid_1_AutoML_20210422_105513_model_1 2000 - 1750 - 1500 - 1250 -	1100 - 1000 - 900 - 800 - 700 - 0 20 40 60 80 100 Model Predicting Holdout Time Series GBM_grid_1_AutoML_20210422_105513_model_1 1300 - 1200 - 1100	-100200300400 - 0 20 40 60 80 100 Residual Plot GBM_grid_1_AutoML_20210422_105513_model_1 400 - 200 -
Validation Rel. Val. RMSE: -17 Allowable RMSE: 131 O.2- O.0- O.0- O.0- O.0- O.0- O.0- O.0- O.0	1000 - 750 - 500 - 250 - 500 750 1000 1250 1500 1750 2000 Model Predicting Training Dataset StackedEnsemble_AllModels_AutoML_20210422_105513	1000 - 900 - 800 900 1000 1100 1200 1300 Model Predicting Holdout Dataset StackedEnsemble_AllModels_AutoML_20210422_105513	1000 - 750 - 500 - 250 - 0 - 250 500 750 1000 1250 1500 1750 Model Predicting Training Time Series StackedEnsemble_AllModels_AutoML_20210422_105513	1000 - 900 - 800 - 700 - 0	-2004004004002004002004002004002004
Validation Rel. Val. RMSE: -12 Allowable RMSE: 131 o.2- o.0- o.0- o.0- o.0- o.0- o.0- o.0- o.0	750 -	1000 - 900 - 800 - 700 800 900 1000 1100 1200 1300 Model Predicting Holdout Dataset StackedEnsemble_BestOfFamily_AutoML_20210422_105513 1300 - 1200 - 1100 -	500 - 0 250 500 750 1000 1250 1500 1750 Model Predicting Training Time Series StackedEnsemble_BestOfFamily_AutoML_20210422_105513 2000 - 1500 - 1500 - 1500 1750 1000 - 1500 - 1500 1750 1000 - 1500 - 1500 1750 1000 - 1500 1750 1000 1250 1750 1000 1250 1750 1000 1250 1750 1000 1250 1750 1000 1250 1750 1000 1250 1750 1000 1250 1750 1000 1250 1750 1000 1250 1750 1000 1250 1750 1000 1250 1750 1000 1250 1750 1000 1250 1750 1000 1250 1750 1000 1750 1750 100	900 - 800 - 700 - 0 20 40 60 80 100 Model Predicting Holdout Time Series StackedEnsemble_BestOfFamily_AutoML_20210422_105513 1300 - 1200 - 1000 - 900 - 100	-200400 - 0 20 40 60 80 100 Residual Plot StackedEnsemble_BestOfFamily_AutoML_20210422_105513
xgboost B Rel. Val. RMSE: -5 Validation Rel. Val. RMSE: -5 Allowable RMSE: 131	250 - 0 - 250 500 750 1000 1250 1500 1750 2000 Model Predicting Training Dataset XGBoost_grid_1_AutoML_20210422_105513_model_1 1750 - 1500 - 1250 - 500 - 250 - 500 - 250 - 1000 - 1000 - 1250 - 1000	900 - 800 900 1000 1100 1200 1300 Model Predicting Holdout Dataset XGBoost_grid1_AutoML_20210422_105513_model_1 1300 - 1250 - 1200 - 1150 - 1100 - 1050 -	0 250 500 750 1000 1250 1500 1750 Model Predicting Training Time Series XGBoost_grid_1_AutoML_20210422_105513_model_1 2000 - 1500 - 500 -	800 - 700 - 0 20 40 60 80 100 Model Predicting Holdout Time Series XGBoost_grid_1_AutoML_20210422_105513_model_1 1300 - 1200 - 1100 - 1000 - 900 - 1000 - 1	-400 - 0 20 40 60 80 100 Residual Plot XGBoost_grid_1_AutoML_20210422_105513_model_1 200 - 100 - -100 - -200 - -300 -
xgboost B Rel. Val. RMSE: -4 Validation Rel. Val. RMSE: -4 Allowable RMSE: 131	250	1000 - 950 - 700 800 900 1000 1100 1200 1300 Model Predicting Holdout Dataset XGBoost_2_AutoML_20210422_105513	0 250 500 750 1000 1250 1500 1750 Model Predicting Training Time Series XGBoost_2_AutoML_20210422_105513 2000 - 1500 - 1000 - 500 -	800 - 700 - 0 20 40 60 80 100 Model Predicting Holdout Time Series XGBoost_2_AutoML_20210422_105513 1300 - 1200 - 1100 - 1000	-400 - 0 20 40 60 80 100 Residual Plot XGBoost_2_AutoML_20210422_105513 300 - 200 - 100200300400400
deeplearning B Rel. Val. RMSE: -3 Validation Rel. Val. RMSE: 131 Allowable RMSE: 131	0 250 500 750 1000 1250 1500 1750 2000 Model Predicting Training Dataset DeepLearning_grid_1_AutoML_20210422_105513_model_1 2000 1500 -500 -1500 -2000 0 250 500 750 1000 1250 1500 1750 2000	700 800 900 1000 1100 1200 1300 Model Predicting Holdout Dataset DeepLearning_grid_1_AutoML_20210422_105513_model_1 1300 - 1200 - 1000 - 900 - 800 900 1000 1100 1200 1300	0 250 500 750 1000 1250 1500 1750 Model Predicting Training Time Series DeepLearning_grid_1_AutoML_20210422_105513_model_1 2000 -	Model Predicting Holdout Time Series DeepLearning_grid_1_AutoML_20210422_105513_model_1 1300 -	0 20 40 60 80 100 Residual Plot DeepLearning_grid_1_AutoML_20210422_105513_model_1 400
deeplearning B Rel. Val. RMSE: 19 Validation Rel. Val. RMSE: 20 Allowable RMSE: 131	Model Predicting Training Dataset DeepLearning_1_AutoML_20210422_105513 1500 1500 0 250 500 750 1000 1250 1500 1750 2000 Model Predicting Training Dataset XGBoost_1_AutoML_20210422_105513	Model Predicting Holdout Dataset DeepLearning_1_AutoML_20210422_105513 1300 - 1200 - 1000 - 1000 - 900 - 800 900 1000 1100 1200 1300 Model Predicting Holdout Dataset XGBoost_1_AutoML_20210422_105513	Model Predicting Training Time Series DeepLearning_1_AutoML_20210422_105513 2000 - 1500 - 0 250 500 750 1000 1250 1500 1750 Model Predicting Training Time Series XGBoost_1_AutoML_20210422_105513	Model Predicting Holdout Time Series DeepLearning_1_AutoML_20210422_105513 1300 1200 1000 900 800 700 Model Predicting Holdout Time Series XGBoost_1_AutoML_20210422_105513	Residual Plot DeepLearning_1_AutoML_20210422_105513 400 -
xgboost B Rel. Val. RMSE: 62 Validation Rel. Val. RMSE: 62 Allowable RMSE: 131	1600 1400 1200 1000 800 600 0 250 500 750 1000 1250 1500 1750 2000 Model Predicting Training Dataset XGBoost_grid_1_AutoML_20210422_105359_model_1	1100 - 1050 - 1000 - 950 - 900 - 850 - 800 - 750 - 700 800 900 1000 1100 1200 1300 Model Predicting Holdout Dataset XGBoost_grid_1_AutoML_20210422_105359_model_1	2000 - 1750 - 1500 - 1000 - 750 - 500 - 250 - Model Predicting Training Time Series XGBoost grid 1_AutoML_20210422_105359_model_1	1300 - 1200 - 1100 - 10	500 - 400 - 200 - 100 - -100 - -200 - -300 - 0 20 40 60 80 100 Residual Plot XGBoost_grid_1_AutoML_20210422_105359_model_1
xgboost A Rel. Val. RMSE: 93 Validation Rel. Val. RMSE: 93 Allowable RMSE: 160	1500 - 1000 - 500 - 0 - 0 - 0 - 0 - 0 - 0 - 0 -	1600 - 1400 - 1000 - 1000 - 1000 1200 1400 1600 1800 2000 Model Predicting Holdout Dataset GBM_grid_1_AutoML_20210422_105359_model_1 1700 -	2000 - 1500 - 1000 - 500 - 0 250 500 750 1000 1250 1500 1750 Model Predicting Training Time Series GBM_grid_1_AutoML_20210422_105359_model_1	1800 - 1600 - 1200 - 1000 - 800 - 1000 Model Predicting Holdout Time Series GBM_grid_1_AutoML_20210422_105359_model_1	800 - 600 - 200 - 0 - 200 - 0 - 200 - 0 - Residual Plot GBM_grid_1_AutoML_20210422_105359_model_1
gbm A Rel. Val. RMSE: 99 Validation Rel. Val. RMSE: 100 Allowable RMSE: 160	1500 - 1250 - 1000 - 750 - 250 - 0	1600 - 1500 - 1400 - 1300 - 1200 - 1000 1200 1400 1600 1800 2000 Model Predicting Holdout Dataset XRT_1_AutoML_20210422_105513 1200 - 1000 -	1500 - 1000 - 500 - 0 250 500 750 1000 1250 1500 1750 Model Predicting Training Time Series XRT_1_AutoML_20210422_105513	1800 - 1600 - 1200 - 10	400 - 200 - 0 - 200 400 400 - 0 - 20 40 60 80 100 Residual Plot XRT_1_AutoML_20210422_105513
drf B Rel. Val. RMSE: 100 Validation Rel. Val. RMSE: 100 Allowable RMSE: 131 0.2 0.0 0.0 0.0 0.8 0.8 0.8	1250 - 1000 - 750 - 500 - 250 - 0 - 250 500 750 1000 1250 1500 1750 2000 Model Predicting Training Dataset GBM_2_AutoML_20210422_105359	800 - 600 - 400 - 700 800 900 1000 1100 1200 1300 Model Predicting Holdout Dataset GBM_2_AutoML_20210422_105359 1525 - 1500 - 1475 -	1250 - 1000 - 750 - 500 - 250 - 0 - 0 - 250 Soo 750 1000 1250 1500 1750 Model Predicting Training Time Series GBM_2_AutoML_20210422_105359	1000 - 800 - 600 - 400 - 0 20 40 60 80 100 Model Predicting Holdout Time Series GBM_2_AutoML_20210422_105359 2000 - 1800 -	400 - 200 400 400 400 - GBM_2_AutoML_20210422_105359
Rel. Val. RMSE: 104 Validation Rel. Val. RMSE: 104 Allowable RMSE: 160 0.2 0.0 0.0 0.0 0.0 0.8 gbm A Rel. Val. RMSE: 107	1300 - 1200 - 1100 - 0 500 1000 1500 2000 Model Predicting Training Dataset GBM_5_AutoML_20210422_105359 1600 - 1400 - 1200 -	1425 - 1400 - 1375 - 1350 - 1000	1000 - 500 - 500 - 500 750 1000 1250 1500 1750 Model Predicting Training Time Series GBM_5_AutoML_20210422_105359	1400 - 1200 - 1000 - 1000 - 1000 - Model Predicting Holdout Time Series GBM_5_AutoML_20210422_105359 2000 - 1800 - 1600 -	0200400 - 0 20 40 60 80 100 Residual Plot GBM_5_AutoML_20210422_105359
Validation Rel. Val. RMSE: 107 Allowable RMSE: 160 o.2 o.0 o.0 stackedensemble A Rel. Val. RMSE: 108 Validation Rel. Val. RMSE: 108 Validation Rel. Val. RMSE: 108	1000 - 800 - 600	1200 - 1200 - 1000 1200 1400 1600 1800 2000 Model Predicting Holdout Dataset StackedEnsemble_AllModels_AutoML_20210422_105359 1800 - 1400 - 1200 -	1000 - 500 - 500 750 1000 1250 1500 1750 Model Predicting Training Time Series StackedEnsemble_AllModels_AutoML_20210422_105359	1200 - 10	0200400400200400200
Allowable RMSE: 160 Allowable RMSE: 160 Stackedensemble A Rel. Val. RMSE: 109 Validation Rel. Val. RMSE: 109 Allowable RMSE: 160	500 - 0 - 500 1000 1500 2000 Model Predicting Training Dataset StackedEnsemble_BestOfFamily_AutoML_20210422_105359 2000 - 1500	1000	500 - 0	1000 - 800 - 0 20 40 60 80 100 Model Predicting Holdout Time Series StackedEnsemble_BestOfFamily_AutoML_20210422_105359 2000 - 1800 - 1400 - 1200 - 1000 -	0
drf B No.6 Rel. Val. RMSE: 113 Validation Rel. Val. RMSE: 114 Allowable RMSE: 131	0 - 500 1000 1500 2000 Model Predicting Training Dataset DRF_1_AutoML_20210422_105513 2000 - 1750 - 1500 - 1250 - 1000 - 750 - 500 - 250 - 1000 - 1	1000 1200 1400 1600 1800 2000 Model Predicting Holdout Dataset DRF_1_AutoML_20210422_105513 1600 - 1400 - 1200 - 1000 - 800 - 600 -	0 250 500 750 1000 1250 1500 1750 Model Predicting Training Time Series DRF_1_AutoML_20210422_105513 2000 - 1750 - 1500 - 1250 - 1000 - 750 - 500 - 250 -	1000 800 - 0 20 40 60 80 100 Model Predicting Holdout Time Series DRF_1_AutoML_20210422_105513 1600 - 1200 - 1000 - 800 - 600 -	-200 - 0 20 40 60 80 100 Residual Plot DRF_1_AutoML_20210422_105513 800 - 600 - 400 - 200 - 0200400
gbm A Rel. Val. RMSE: 115 Validation Rel. Val. RMSE: 160 Allowable RMSE: 160	0 - 250 500 750 1000 1250 1500 1750 2000 Model Predicting Training Dataset GBM_4_AutoML_20210422_105359	1500 - 1480 - 1440 - 1420 - 1380 - 1000 1200 1300 1400 1600 1800 2000	0 250 500 750 1000 1250 1500 1750 Model Predicting Training Time Series GBM_4_AutoML_20210422_105359 2000 - 1500 - 1000 1250 1500 1750	400 - 0 20 40 60 80 100 Model Predicting Holdout Time Series GBM_4_AutoML_20210422_105359 2000 - 1800 - 1400 - 1200 - 10	-600 - 0 20 40 60 80 100 Residual Plot GBM_4_AutoML_20210422_105359 400 - 200 - 400 60 80 100
gbm A Rel. Val. RMSE: 116 Validation Rel. Val. RMSE: 117 Allowable RMSE: 160	1500 - 1000 1500 2000 Model Predicting Training Dataset GBM_1_AutoML_20210422_105359	1000 1200 1400 1600 1800 2000 Model Predicting Holdout Dataset GBM_1_AutoML_20210422_105359 1500 -	0 250 500 750 1000 1250 1500 1750 Model Predicting Training Time Series GBM_1_AutoML_20210422_105359 2000 - 1500 - 500 750 1000 1250 1500 1750 Model Predicting Training Time Series GBM_3_AutoML_20210422_105359	0 20 40 60 80 100 Model Predicting Holdout Time Series GBM_1_AutoML_20210422_105359 2000 - 1800 - 1600 - 1200 - 0 20 40 60 80 100 Model Predicting Holdout Time Series GBM_3_AutoML_20210422_105359	0 20 40 60 80 100 Residual Plot GBM_1_AutoML_20210422_105359 600 400 -200 -400 0 20 40 60 80 100 Residual Plot GBM_3_AutoML_20210422_105359
gbm A Rel. Val. RMSE: 117 Validation Rel. Val. RMSE: 117 Allowable RMSE: 160	1500 - 1400 - 1300 - 1100 - 1100 - 1100 - 1500 1500 2000 Model Predicting Training Dataset XGBoost_3_AutoML_20210422_105359	1500 - 1450 - 1400 - 1350 - 1000	GBM_3_AutoML_20210422_105359 2000 -	GBM_3_AutoML_20210422_105359 2000 -	GBM_3_AutoML_20210422_105359 600 -
xgboost A Rel. Val. RMSE: 119 Validation Rel. Val. RMSE: 119 Allowable RMSE: 160	1750 - 1500 - 1250 - 1000 - 750 - 250 - 0 - 0 - Model Predicting Training Dataset XRT_1_AutoML_20210422_105359	1600 - 1500 - 1400 - 1200 - 1100 - 1000 1200 1400 1600 1800 2000 Model Predicting Holdout Dataset XRT_1_AutoML_20210422_105359	2000 - 1500 - 1000 - 500 - 0 250 500 750 1000 1250 1500 1750 Model Predicting Training Time Series XRT_1_AutoML_20210422_105359	1800 - 1600 - 1400 - 1200 - 1000 - 1000 - Model Predicting Holdout Time Series XRT_1_AutoML_20210422_105359	800 - 600 - 400 - 200200400400 - Residual Plot XRT_1_AutoML_20210422_105359
drf A Rel. Val. RMSE: 195 Validation Rel. Val. RMSE: 196 Allowable RMSE: 160	1500 - 1000 - 500 - 0 500 1000 1500 2000 Model Predicting Training Dataset DRF_1_AutoML_20210422_105359	1500 - 1250 - 1000 - 750 - 500 - 250 - 0 - 1000 1200 1400 1600 1800 2000 Model Predicting Holdout Dataset DRF_1_AutoML_20210422_105359 1800 - 1600 -	1500 - 1000 - 500 - 0 250 500 750 1000 1250 1500 1750 Model Predicting Training Time Series DRF_1_AutoML_20210422_105359	1750 - 1500 - 1250 - 1000 - 750 - 500 - 250 - 0 - 0 - 0 - 0 - 0 - 0 - 0 - 0 - 0 -	1000 - 500 - 0 - 0 20 40 60 80 100 Residual Plot DRF_1_AutoML_20210422_105359
drf A Rel. Val. RMSE: 224 Validation Rel. Val. RMSE: 225 Allowable RMSE: 160	1500 - 1000 - 500 1000 1500 2000	1600 - 1400 - 1200 - 1000 - 800 - 600 - 400 - 200 - 1000 1200 1400 1600 1800 2000	1500 - 1000 - 500 - 0 250 500 750 1000 1250 1500 1750	1750 - 1500 - 1250 - 1000 - 750 - 500 - 250 - 0 20 40 60 80 100	1000 - 750 - 500 - 250 - 250 - 0 - 25