Allowable Rivise. 30	480 460 440 420 400 400 380 360 340	500 - 400 - 300 -		Model Predicting Holdout Time Series XGBoost_grid_1_AutoML_20210414_122624_model_17GROUP-B 500 - 450 - 4	Residual Plot XGBoost_grid_1_AutoML_20210414_122624_model_17GROUP-B 100 - 50100 -
0.0 0.2 0.4 0.6 0.8 1.0 1.0	Model Predicting Training Dataset	600 - 500 - 400 - 450 - 500 -	0 250 500 750 1000 1250 1500 1750 2000 Model Predicting Training Time Series XGBoost_grid1_AutoML_20210414_122624_model_10GROUP-B 0 250 500 750 1000 1250 1500 1750 2000 Model Predicting Training Time Series GBM_grid1_AutoML_20210414_122624_model_6GROUP-B	Model Predicting Holdout Time Series XGBoost_grid1_AutoML_20210414_122624_model_10GROUP-B 500 450 450 400 600 800 100 GROUP-B 500 450 450 Model Predicting Holdout Time Series GBM_grid1_AutoML_20210414_122624_model_6GROUP-B	0 20 40 60 80 100 Residual Plot XGBoost_grid1_AutoML_20210414_122624_model_10GROUP-B 100 - 50 - 0 20 40 60 80 100 Residual Plot GBM_grid1_AutoML_20210414_122624_model_6GROUP-B
gbm B Rel. Val. RMSE: -3 Validation Rel. Val. RMSE: -2 Allowable RMSE: 38 1	475 450 400 400 375 300 0 100 200 300 400 325	600 - 500 - 400 - 450 - 500 -	0 250 500 750 1000 1250 1500 1750 2000	500 - 450 - 400 - 350 - 300 - 250 - 40 - 60 - 80 - 100	75 - 50 - 255075100 - 0 20 40 60 80 100
xgboost B Rel. Val. RMSE: -1 Validation Rel. Val. RMSE: 0 Allowable RMSE: 38	Model Predicting Training Dataset XGBoost_2_AutoML_20210414_122624GROUP-B 500 475 450 400 375 350 325	Model Predicting Holdout Dataset XGBoost_2_AutoML_20210414_122624GROUP-B 600 - 500 - 200 - 200 - 250 300 350 400 450 500	Model Predicting Training Time Series XGBoost_2_AutoML_20210414_122624GROUP-B	Model Predicting Holdout Time Series XGBoost_2_AutoML_20210414_122624GROUP-B 500 - 450 - 400 - 350 - 300 - 20 40 60 80 100	Residual Plot XGBoost_2_AutoML_20210414_122624GROUP-B
gbm B Rel. Val. RMSE: 0 Validation Rel. Val. RMSE: 0 Allowable RMSE: 38	Model Predicting Training Dataset GBM_grid_1_AutoML_20210414_122624_model_14GROUP-B 460 440 420 400 400 380 360 000 000 000 000 000 000 000 Model Predicting Training Dataset GBM_grid_1_AutoML_20210414_122624_model_13GROUP-B	500	Model Predicting Training Time Series GBM_grid_1_AutoML_20210414_122624_model_14GROUP-B	Model Predicting Holdout Time Series GBM_grid_1_AutoML_20210414_122624_model_14GROUP-B 500 450 400 350 0 20 40 60 80 100 Model Predicting Holdout Time Series	Residual Plot GBM_grid_1_AutoML_20210414_122624_model_14GROUP-B 100 50 -50 0 20 40 60 80 100 Residual Plot
0.6	480 460 440 420 400 380 360 340	GBM_grid_1_AutoML_20210414_122624_model_13GROUP-B 600 500 400 200 200 Model Predicting Holdout Dataset XGBoost_grid_1_AutoML_20210414_122624_model_4GROUP-B	GBM_grid1_AutoML_20210414_122624_model_13GROUP-B 0 250 500 750 1000 1250 1500 1750 2000 Model Predicting Training Time Series XGBoost_grid1_AutoML_20210414_122624_model_4GROUP-B	GBM_grid1_AutoML_20210414_122624_model_13GROUP-B 500 - 450 - 450 - 400 - 350 - 300 - 20	GBM_grid_1_AutoML_20210414_122624_model_13GROUP-B 75 -
xgboost B Rel. Val. RMSE: 0 Validation Rel. Val. RMSE: 0 Allowable RMSE: 38	350 450 400 350 350 300 0 100 0 100 0 100 0 100 0 100 0 100 0 100 0 100 0 100 0 100 0 100 0 100 0 10	600 - 500 - 400 - 300 - 200 - 200 - 250 300 350 400 450 500	0 250 500 750 1000 1250 1500 1750 2000 Model Predicting Training Time Series XGBoost_grid_1_AutoML_20210414_122624_model_14GROUP-B	350 - 400 - 400 - 350 - 400 - 60 80 100 Model Predicting Holdout Time Series XGBoost_grid_1_AutoML_20210414_122624_model_14GROUP-B	XGBoost_grid1_AutoML_20210414_122624_model_4GROUP-B 100 75 50 25 -50 -75 -100 0 20 40 60 80 100 Residual Plot XGBoost_grid1_AutoML_20210414_122624_model_14GROUP-B
xgboost B Rel. Val. RMSE: 0 Validation Rel. Val. RMSE: 0 Allowable RMSE: 38	475 450 400 400 375 300 400 375 300 400 375 300 Model Predicting Training Dataset	600 - 500 - 400 - 450 - 500 -	0 250 500 750 1000 1250 1500 1750 2000 Model Predicting Training Time Series XGBoost_grid_1_AutoML_20210414_122624_model_13GROUP-B	500 - 450 - 400 - 350 - 300 - 20 40 60 80 100 Model Predicting Holdout Time Series	XGBoost_grid_1_AutoML_20210414_122624_model_14GROUP-B 100 50 -50 -100 Residual Plot XGBoost_grid_1_AutoML_20210414_122624_model_13GROUP-B
xgboost B Rel. Val. RMSE: 2 Validation Rel. Val. RMSE: 2 Allowable RMSE: 38 0.2 0.2 0.0 0.0 0.0 0.0 0.0 0.	480 460 440 420 400 380 360 340 320	600 - 500 -	0 250 500 750 1000 1250 1500 1750 2000 Model Predicting Training Time Series GBM_grid_1_AutoML_20210414_122624_model_11GROUP-B	XGBoost_grid1_AutoML_20210414_122624_model_13GROUP-B 500 -	100 - 50 - 50100100100 - Residual Plot GBM_grid_1_AutoML_20210414_122624_model_11GROUP-B
gbm B Rel. Val. RMSE: 3 Validation Rel. Val. RMSE: 3 Allowable RMSE: 38 1	475 450 400 400 400 400 375 400 400 Model Predicting Training Dataset GBM_grid_1_AutoML_20210414_122624_model_8GROUP-B	600 - 600 -	0 250 500 750 1000 1250 1500 1750 2000 Model Predicting Training Time Series GBM_grid_1_AutoML_20210414_122624_model_8GROUP-B	500 - 450 - 450 - 400 - 350 - 300 - 250	100 75 50 25
gbm B Rel. Val. RMSE: 3 Validation Rel. Val. RMSE: 4 Allowable RMSE: 38 1 1.0 1.0	480 460 440 420 400 400 380 360 340 0	500 - 400 - 300 - 200 - 100 - 200 - 200 -	GBM_grid_1_AutoML_20210414_122624_model_8GROUP-B 0 250 500 750 1000 1250 1500 1750 2000 Model Predicting Training Time Series GBM_grid_1_AutoML_20210414_122624_model_17GROUP-B	GBM_grid_1_AutoML_20210414_122624_model_8GROUP-B 500 -	GBM_grid_1_AutoML_20210414_122624_model_8GROUP-B 100 50 -50 0 20 40 60 80 100 Residual Plot GBM_grid_1_AutoML_20210414_122624_model_17GROUP-B
gbm B Rel. Val. RMSE: 4 Validation Rel. Val. RMSE: 5 Allowable RMSE: 38	GBM_grid_1_AutoML_20210414_122624_model_17GROUP-B 475 400 400 375 300 0 100 200 300 400 500 600 Model Predicting Training Dataset GBM_grid_1_AutoML_20210414_122624_model_3GROUP-B	GBM_grid1_AutoML_20210414_122624_model_17GROUP-B 600 400 300 300 Model Predicting Holdout Dataset GBM_grid1_AutoML_20210414_122624_model_3GROUP-B	GBM_grid_1_AutoML_20210414_122624_model_17GROUP-B 0 250 500 750 1000 1250 1500 1750 2000 Model Predicting Training Time Series GBM_grid_1_AutoML_20210414_122624_model_3GROUP-B	GBM_grid_1_AutoML_20210414_122624_model_17GROUP-B 500 450 400 300 0 0 0 0 Model Predicting Holdout Time Series GBM_grid_1_AutoML_20210414_122624_model_3GROUP-B	GBM_grid_1_AutoML_20210414_122624_model_17GROUP-B 100 -50 -100 0 20 40 60 80 100 Residual Plot GBM_grid_1_AutoML_20210414_122624_model_3GROUP-B
Validation Rel. Val. RMSE: 6	GBM_grid_1_AutoML_20210414_122624_model_3GROUP-B 475 450 400 400 375 350 Model Predicting Training Dataset GBM_5_AutoML_20210414_122624GROUP-B 480	GBM_grid_1_AutoML_20210414_122624_model_3GROUP-B 600 400 200 100 Model Predicting Holdout Dataset GBM_5_AutoML_20210414_122624GROUP-B	0 250 500 750 1000 1250 1500 1750 2000 Model Predicting Training Time Series GBM_5_AutoML_20210414_122624GROUP-B	350 - 400 - 400 - 350 - 400 -	100 - 50 - 50 - 10
gbm B Rel. Val. RMSE: 6 Validation Rel. Val. RMSE: 7 Allowable RMSE: 38	480 460 440 420 400 400 380 360 360 Model Predicting Training Dataset XGBoost_1_AutoML_20210414_122624GROUP-B	500 300 100 200 100 Model Predicting Holdout Dataset XGBoost_1_AutoML_20210414_122624GROUP-B	0 250 500 750 1000 1250 1500 1750 2000 Model Predicting Training Time Series XGBoost_1_AutoML_20210414_122624GROUP-B	500 - 450 - 400 - 350 - 250 - 0 20 40 60 80 100 Model Predicting Holdout Time Series XGBoost_1_AutoML_20210414_122624GROUP-B	100 - 50 - 0 - -50 - -100 - 0 20 40 60 80 100 Residual Plot XGBoost_1_AutoML_20210414_122624GROUP-B
xgboost B Rel. Val. RMSE: 7 Validation Rel. Val. RMSE: 7 Allowable RMSE: 38	480 460 460 400 400 400 400 400 380 360 340 Model Predicting Training Dataset DeepLearning_grid_2_AutoML_20210414_122624_model_2_GROUP-B DeepLearning_grid_2_AutoML_20210414_122624_model_2_GROUP-B	600 - 500 - 600 -	0 250 500 750 1000 1250 1500 1750 2000 Model Predicting Training Time Series epLearning_grid_2_AutoML_20210414_122624_model_2GROUP-B	500 - 450 - 450 - 400 - 350 - 300 - 250 - 40 - 60 80 100 Model Predicting Holdout Time Series DeepLearning_grid_2_AutoML_20210414_122624_model_2GROUP-B	100 - 50 - 50 100 100 100 - Residual Plot DeepLearning_grid_2_AutoML_20210414_122624_model_2GROUP-B
deeplearning B Rel. Val. RMSE: 8 Validation Rel. Val. RMSE: 8 Allowable RMSE: 38	500 480 460 440 420 400 400 400 Model Predicting Training Dataset GLM_1_AutoML_20210414_122624GROUP-B	500	0 250 500 750 1000 1250 1500 1750 2000 Model Predicting Training Time Series GLM_1_AutoML_20210414_122624GROUP-B	500 - 450 - 400 - 350 - 300 - 250 - 0 20 40 60 80 100 Model Predicting Holdout Time Series GLM_1_AutoML_20210414_122624GROUP-B	100 - 50 - 0 50 100 100 - Residual Plot GLM_1_AutoML_20210414_122624GROUP-B
glm B Rel. Val. RMSE: 8 Validation Rel. Val. RMSE: 8 Allowable RMSE: 38 10 10	480 460 440 420 400 380 360 340 Model Predicting Training Dataset XGBoost_1_AutoML_20210414_121709GROUP-A	600 - 500 - 400 - 300 - 100 - 250 300 350 400 450 500 Model Predicting Holdout Dataset XGBoost_1_AutoML_20210414_121709GROUP-A	0 250 500 750 1000 1250 1500 1750 2000 Model Predicting Training Time Series XGBoost_1_AutoML_20210414_121709GROUP-A	500 - 450 - 400 - 350 - 300 - 250 - 0 20 40 60 80 100 Model Predicting Holdout Time Series XGBoost_1_AutoML_20210414_121709GROUP-A	75 - 50 - 255075 - 0 20 40 60 80 100 Residual Plot XGBoost_1_AutoML_20210414_121709GROUP-A
xgboost A Rel. Val. RMSE: 8 Validation Rel. Val. RMSE: 9 Allowable RMSE: 51	800 750 700 600 600 600 600 600 600 60	500 600 700 800 900 Model Predicting Holdout Dataset	0 250 500 750 1000 1250 1500 1750 2000 Model Predicting Training Time Series GBM_grid1_AutoML_20210414_122624_model_10GROUP-B	900 - 800 - 700 - 600 - 500 - Model Predicting Holdout Time Series GBM_grid_1_AutoML_20210414_122624_model_10GROUP-B	200 - 150 - 100 - 50100150150 - 0 20 40 60 80 100 Residual Plot GBM_grid_1_AutoML_20210414_122624_model_10GROUP-B
gbm B Rel. Val. RMSE: 8 Validation Rel. Val. RMSE: 9 Allowable RMSE: 38	480 460 440 420 400 380 360 340 320 Model Predicting Training Dataset DeepLearning_grid_1_AutoML_20210414_122624_model_1_GROUP-B DeepLearning_grid_1_AutoML_20210414_122624_model_1_GROUP-B	600 - 500 -	0 250 500 750 1000 1250 1500 1750 2000 Model Predicting Training Time Series epLearning_grid_1_AutoML_20210414_122624_model_1GROUP-B	500 - 450 - 450 - 400 - 350 - 250 - 40 - 60 80 100 Model Predicting Holdout Time Series DeepLearning_grid_1_AutoML_20210414_122624_model_1GROUP-B	75 - 50 - 255075100 - 0 - 20
deeplearning B Rel. Val. RMSE: 9 Validation Rel. Val. RMSE: 10 Allowable RMSE: 38 10 10	0 100 200 300 400 500 600	600 - 500 - 400 - 300 - 200 -	0 250 500 750 1000 1250 1500 1750 2000 Model Predicting Training Time Series XGBoost_grid_1_AutoML_20210414_122624_model_7GROUP-B	500 - 450 - 400 - 350 - 250 - 0 20 40 60 80 100 Model Predicting Holdout Time Series XGBoost_grid_1_AutoML_20210414_122624_model_7GROUP-B	75 - 50 - 255075100 - 125 0 20 40 60 80 100 Residual Plot XGBoost_grid_1_AutoML_20210414_122624_model_7GROUP-B
xgboost B Rel. Val. RMSE: 10 Validation Rel. Val. RMSE: 11 Allowable RMSE: 38	480 460 440 420 400 380 360 Model Predicting Training Dataset XGBoost_grid_1_AutoML_20210414_122624_model_16GROUP-B	600 - 500 -	0 250 500 750 1000 1250 1500 1750 2000 Model Predicting Training Time Series XGBoost_grid_1_AutoML_20210414_122624_model_16GROUP-B	500 - 450 - 400 - 350 - 300 - 250 0 20 40 60 80 100 Model Predicting Holdout Time Series XGBoost_grid_1_AutoML_20210414_122624_model_16GROUP-B	75 - 50 - 255075100 - 0 - 20 40 60 80 100 XGBoost_grid_1_AutoML_20210414_122624_model_16GROUP-B
xgboost B Rel. Val. RMSE: 10 Validation Rel. Val. RMSE: 11 Allowable RMSE: 38 10 10 10 10 10 10 10 10 10 1	475 450 400 400 400 375 300 00 00 00 00 00 00 00 00 00 00 00 00	500 - 400 - 300 - 200 - 100 - 250 300 350 400 450 500	0 250 500 750 1000 1250 1500 1750 2000 Model Predicting Training Time Series GBM_grid_1_AutoML_20210414_122624_model_4GROUP-B	500 - 450 - 450 - 400 - 350 - 300 - 250 - 40 - 60 80 100 Model Predicting Holdout Time Series GBM_grid_1_AutoML_20210414_122624_model_4GROUP-B	150 - 100 - 50 - 100 - 50 - 10
gbm B Rel. Val. RMSE: 11 Validation Rel. Val. RMSE: 11 Allowable RMSE: 38 10 10 10	480 460 460 440 420 400 400 400 380 360 340 320 Model Predicting Training Dataset GBM_grid_1_AutoML_20210414_122624_model_15GROUP-B 480	500 - 400 - 300 - 200 - 100 - 0 - 10	0 250 500 750 1000 1250 1500 1750 2000 Model Predicting Training Time Series GBM_grid_1_AutoML_20210414_122624_model_15GROUP-B	500 - 450 - 400 - 350 - 300 - 20	100 - 50 - 50 - 50 - 100 - 60 80 100 Residual Plot GBM_grid_1_AutoML_20210414_122624_model_15GROUP-B
Validation Rel. Val. RMSE: 12	480 460 440 420 400 380 360 340 320	600 - 500 - 400 - 450 - 500 -	0 250 500 750 1000 1250 1500 1750 2000 Model Predicting Training Time Series XGBoost_grid_1_AutoML_20210414_122624_model_12GROUP-B	500 - 450 - 400 - 350 - 250 - 0 20 40 60 80 100 Model Predicting Holdout Time Series XGBoost_grid_1_AutoML_20210414_122624_model_12GROUP-B	100 - 50 - 50 - 60 80 100 Residual Plot XGBoost_grid_1_AutoML_20210414_122624_model_12GROUP-B
xgboost B Rel. Val. RMSE: 11 Validation Rel. Val. RMSE: 12 Allowable RMSE: 38 100 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.	480 460 440 420 400 380 360 00 00 00 00 00 00 00 00 00 00 00 00 0		0 250 500 750 1000 1250 1500 1750 2000 Model Predicting Training Time Series GBM_grid_1_AutoML_20210414_122624_model_14GROUP-B	500 - 450 - 400 - 350 - 300 - 20	100 - 50 - 50 - 60 80 100 Residual Plot GBM_grid_1_AutoML_20210414_122624_model_14GROUP-B 150 - 60 80 100
gbm B Rel. Val. RMSE: 0 Validation Rel. Val. RMSE: 12 Allowable RMSE: 38 10 1.0	480 460 460 440 420 400 380 360 00 00 00 00 00 00 00 00 00 00 00 00 0	600 - 500 -	0 250 500 750 1000 1250 1500 1750 2000 Model Predicting Training Time Series GBM_1_AutoML_20210414_122624GROUP-B	500 - 450 - 400 - 350 - 300 - 250 - 40 60 80 100 Model Predicting Holdout Time Series GBM_1_AutoML_20210414_122624GROUP-B	150 - 100 - 50 - 100 - 60 80 100 Residual Plot GBM_1_AutoML_20210414_122624GROUP-B
Validation Rel. Val. RMSE: 12	475 400 400 400 375 300 400 375 300 400 Model Predicting Training Dataset GBM_4_AutoML_20210414_122624GROUP-B	500	0 250 500 750 1000 1250 1500 1750 2000 Model Predicting Training Time Series GBM_4_AutoML_20210414_122624GROUP-B	500 - 450 - 400 - 350 - 300 - 250 - 40 60 80 100 Model Predicting Holdout Time Series GBM_4_AutoML_20210414_122624GROUP-B	100 - 75 - 50 - 25 - 50 - 75 - 75 - 75 - 75 - 75 - 75 - 7
0.2 - AIIOVVADIE IXIVISE. 30 1 0.0 0.0 0.2 0.4 0.6 0.8 1.0	480 460 460 400 400 400 400 400 380 360 340 400 Model Predicting Training Dataset Ir_search_selection_AutoML_20210414_122624_select_grid_model_3 XGBROMPHB	500	0 250 500 750 1000 1250 1500 1750 2000 Model Predicting Training Time Series search_selection_AutoML_20210414_122624_select_grid_model_3_XGBBO	500 - 450 - 400 - 350 - 300 - 20 40 60 80 100 Model Predicting Holdout Time Series	100 - 50 - 50 - 60 80 100 Residual Plot BBOttPHBsearch_selection_AutoML_20210414_122624_select_grid_model_3GROUP-E
xgboost B Rel. Val. RMSE: 13 Validation Rel. Val. RMSE: 13 Allowable RMSE: 38 10.2 1.0	480 460 460 440 420 400 400 380 360 340 320 Model Predicting Training Dataset XGBoost_3_AutoML_20210414_121709GROUP-A	500	0 250 500 750 1000 1250 1500 1750 2000 Model Predicting Training Time Series XGBoost_3_AutoML_20210414_121709GROUP-A	500 - 450 - 400 - 350 - 300 - 250 - 40 - 60 80 100 Model Predicting Holdout Time Series XGBoost_3_AutoML_20210414_121709GROUP-A	100 - 50 - 0 - -50 - -100 - 0 20 40 60 80 100 Residual Plot XGBoost_3_AutoML_20210414_121709GROUP-A
Validation Rel. Val. RMSE: 14 Allowable RMSE: 51	000 -	1600 - 1400 - 1200 - 10	0 250 500 750 1000 1250 1500 1750 2000	900 - 800 - 700 - 600 - 500 - 400 - 60 - 80 100	150 - 100 - 50 - 0 - -50 - -100 - -150 - 0 20 40 60 80 100