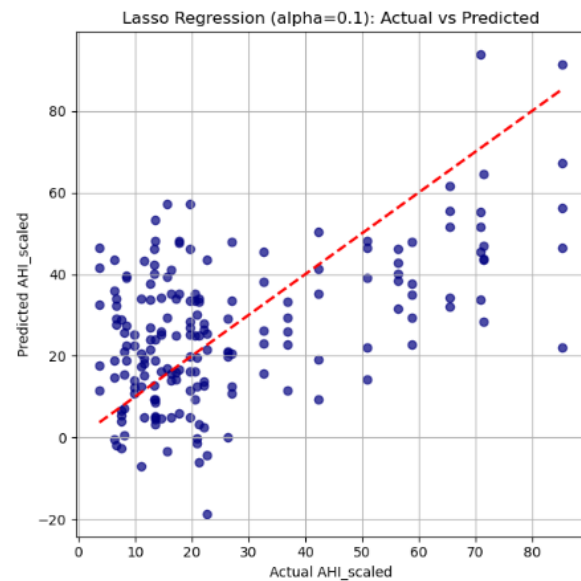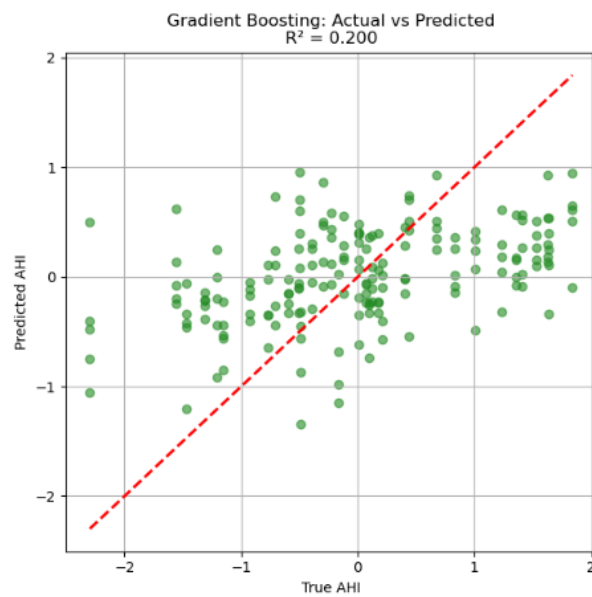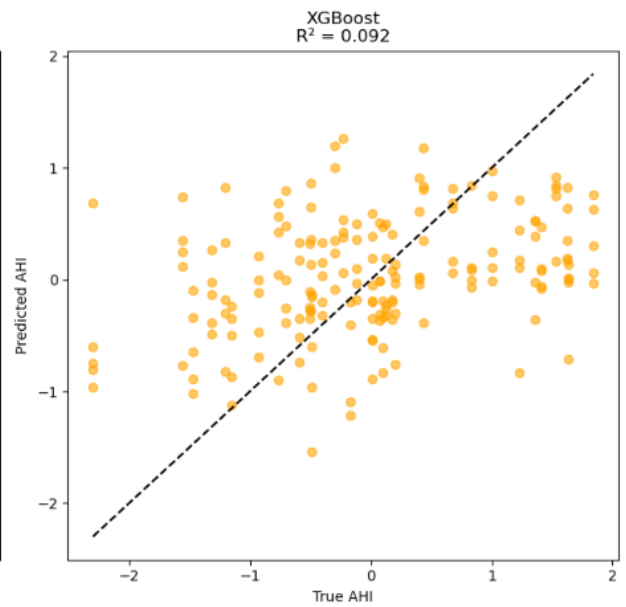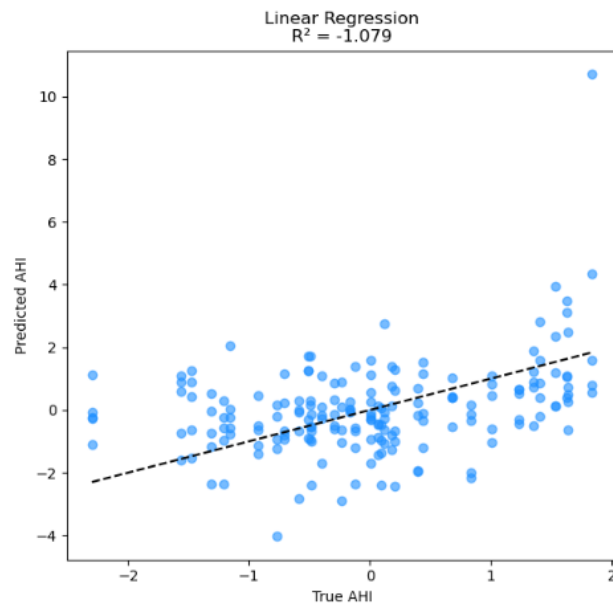Random Forest: True vs Predicted (LOO Test)

- Randomforestregressor() and Leaveoneout()
- All five vowels together of all 37 samples


Before hyperparameters:
- Mse_train = 0.1081814917782666
- Mse_test = 0.8128271340405668

N_estimators: 300, random_state: 1
- mse_train = 0.10875629584489065
- mse_test = 0.8170107565816468

Linear Regression
R² = -1.079

XGBoost
R² = 0.092

Gradient Boosting: Actual vs Predicted
R² = 0.200

Lasso Regression (alpha=0.1): Actual vs Predicted

- All five vowels together of all 37 samples
- Shiva's feedback:
  - linear regression and lasso regression seem to give a trend
  - no trend for gradient boosting or XGB
- highest R^2 value so far: gradient boosting (0.200)