OBUS – Fetal Weight Evaluation Report

Summary

The Estimated Fetal Weight (EFW) model was trained and evaluated on the extended FAMLI dataset (see [0.0 OBUS Data Description]). The training, validation, and testing sets were defined by the GHL team using the consistency and split criteria described in [3.1 Fetal Weight Data Distributions]. The statistics of the splits after filtering are shown in Table 1 in [3.1 Fetal Weight Data Distributions]. The scatter plot of estimated fetal weight error vs ground truth for the model that estimates fetal weight via biometric measurement predictions is shown in Figure 1. (This is similar to a Bland-Altman plot, except here the x-axis is the ground truth estimated fetal weight.) Notice the paucity of data at the higher end of the scale, which likely accounts for the noticeable downward trend of fetal weight estimates above 3,000 g.
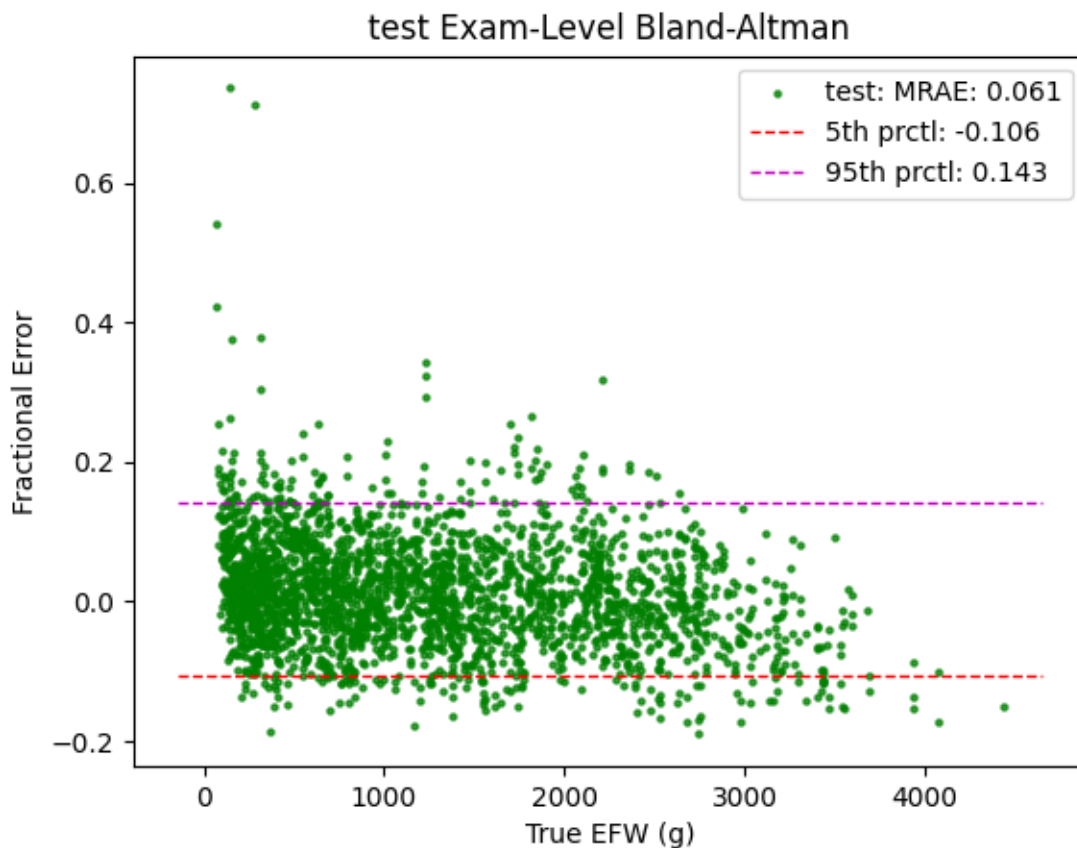

Figure 1. Prediction error for biometric EFW model on combined FAMLI testing set.