FIGURE VI

Root Mean Squared Error for Value-Added Posterior Predictions

This figure plots root mean squared error (RMSE) for posterior predictions of sixth-grade math value-added. Conventional predictions are posterior means constructed from OLS value-added estimates. Hybrid predictions are posterior modes constructed from OLS and lottery estimates. The total height of each bar indicates RMSE. Dark bars display shares of mean squared error due to bias, and light bars display shares due to variance. RMSE is calculated from 500 simulated samples drawn from the data generating processes implied by the estimates in Table VI. The random coefficients model is reestimated in each simulated sample.