2/3/23 Four: Predictions There are three sorts of martainty associated of the linear Day 5 pogretion prediction: 1) The coefficients B; extincts sixter the least squares place only estimates the true population place. Use confidence intervals · A reducible error 2) Model bias from assuming the true model is linear. Another reducible error.

3) The error from E. We use prediction interests to see how much Y will vary from Y.

• Predution intervals are wider than confidence intervals. lecall Y= f(X)+E. Confidence internals aim to bound f(X) Prediction internal aim to bound Y.