How η affects the algorithm:

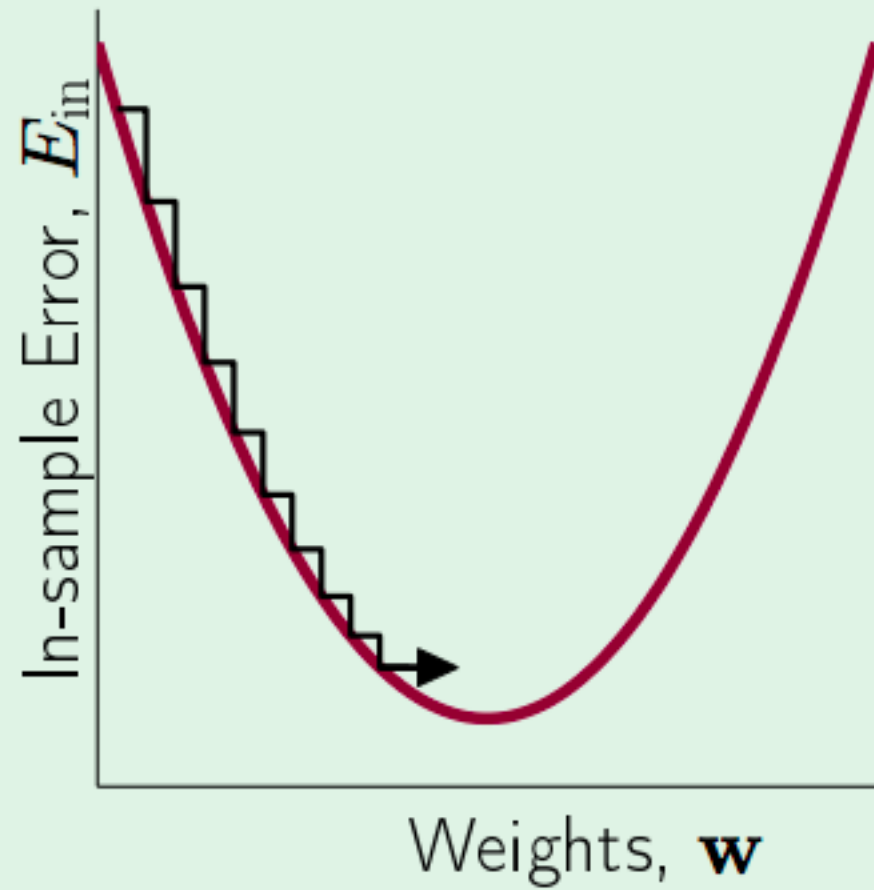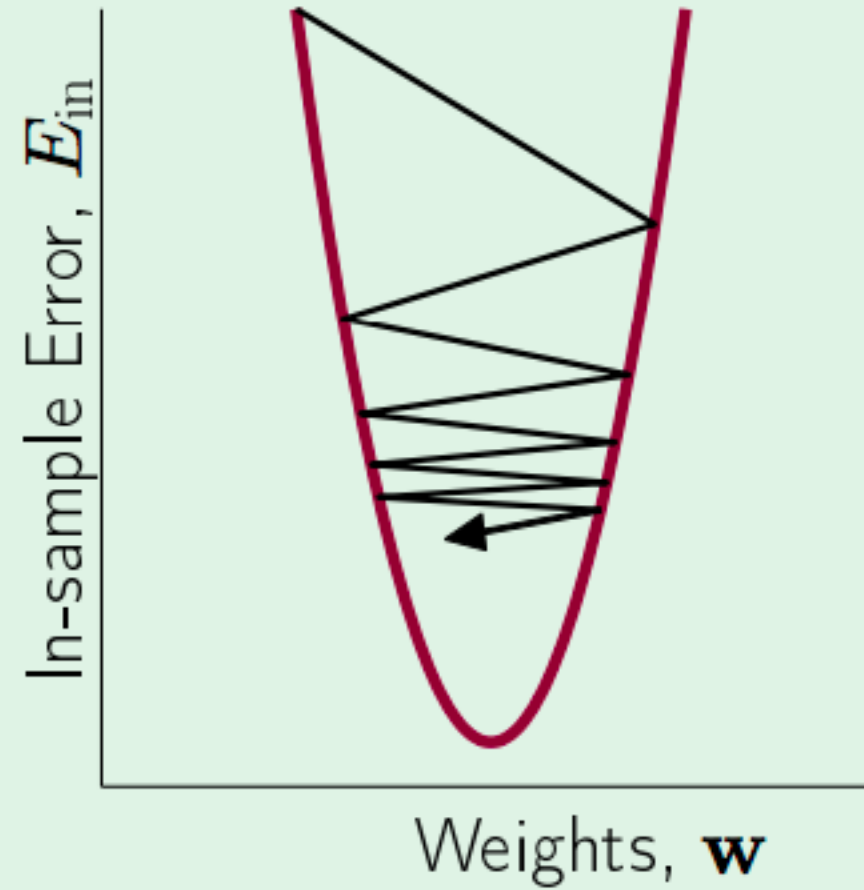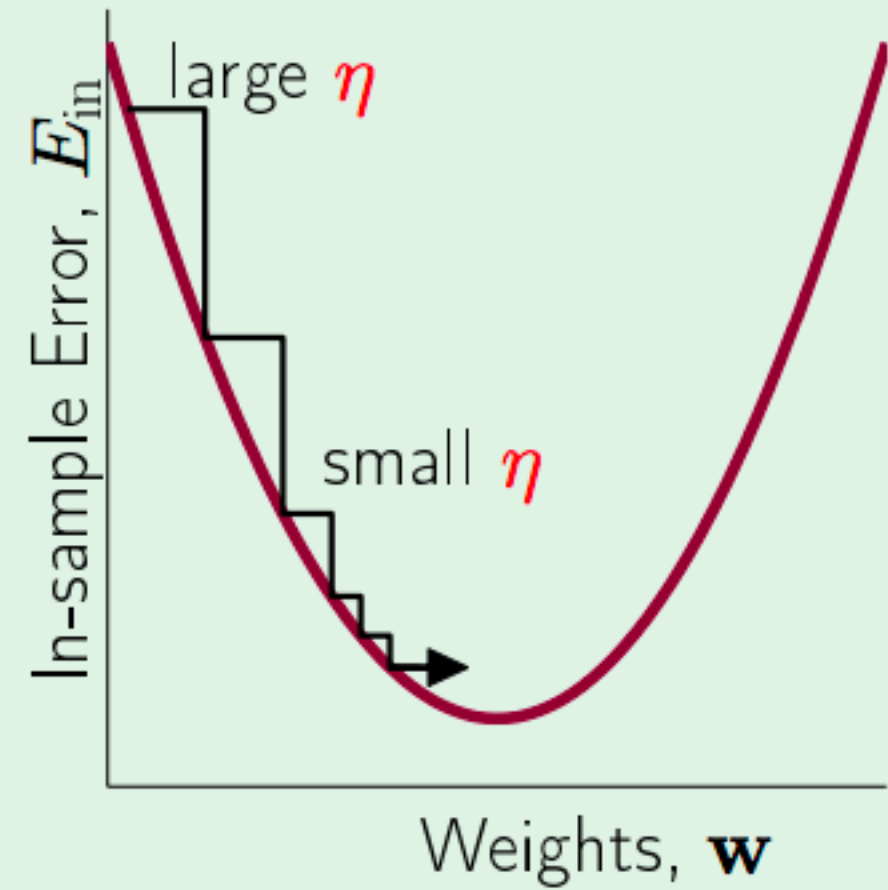η too small η too large   variable η – just right

η should increase with the slope