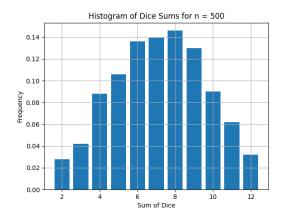
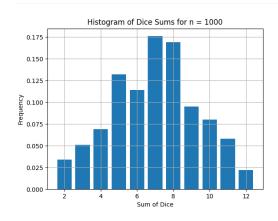
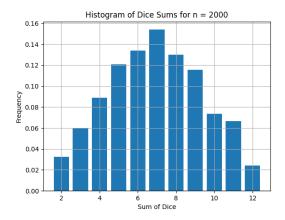
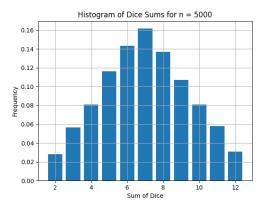
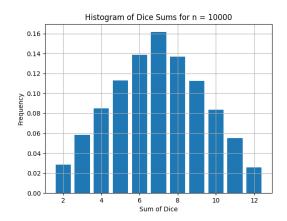
## Assignment 3 Problem 1

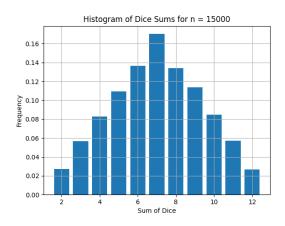


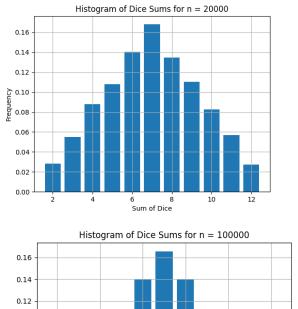


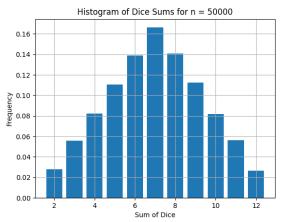


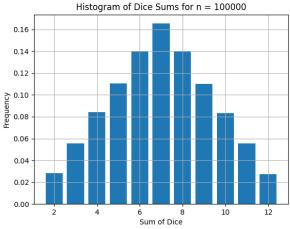




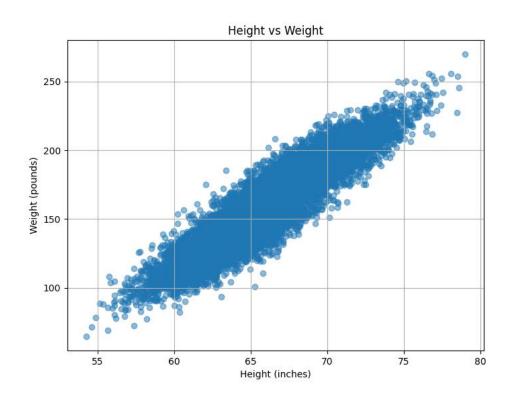


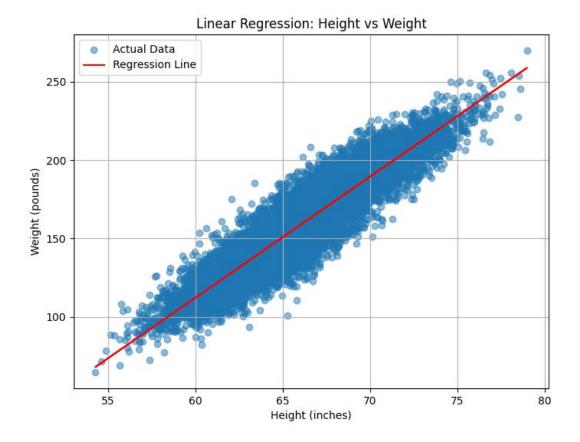






## Assignment 3 Problem 2





RMSE: 12.218571272826035

R<sup>2</sup>: 0.8551742120609958