Question Machastic Gradem descent Explain how Modestin Goodsin Descent works and what it aims for. The main idea is firthing a line that own model the given data. The algorithm suns for a number of epochs wishing each observation of the dute For each observation the algorithm makes a prediction and This is compared with the ochiel class for the observation being processed to get an error before performing on update He model. · It is an optimisation algorithm to minusise a function by moving in the direction of the negative of the gracient of the function. · It is used in MI for expolating parameters or coefficients on a model such as regienien or in logistic regiension. In linear regression are possible sheday, to find a solution is to minimize the mean squared error or MSE. formula: $MSE = \frac{1}{100} + \frac{1}{100} (\hat{y}_1 - y_1)^2$