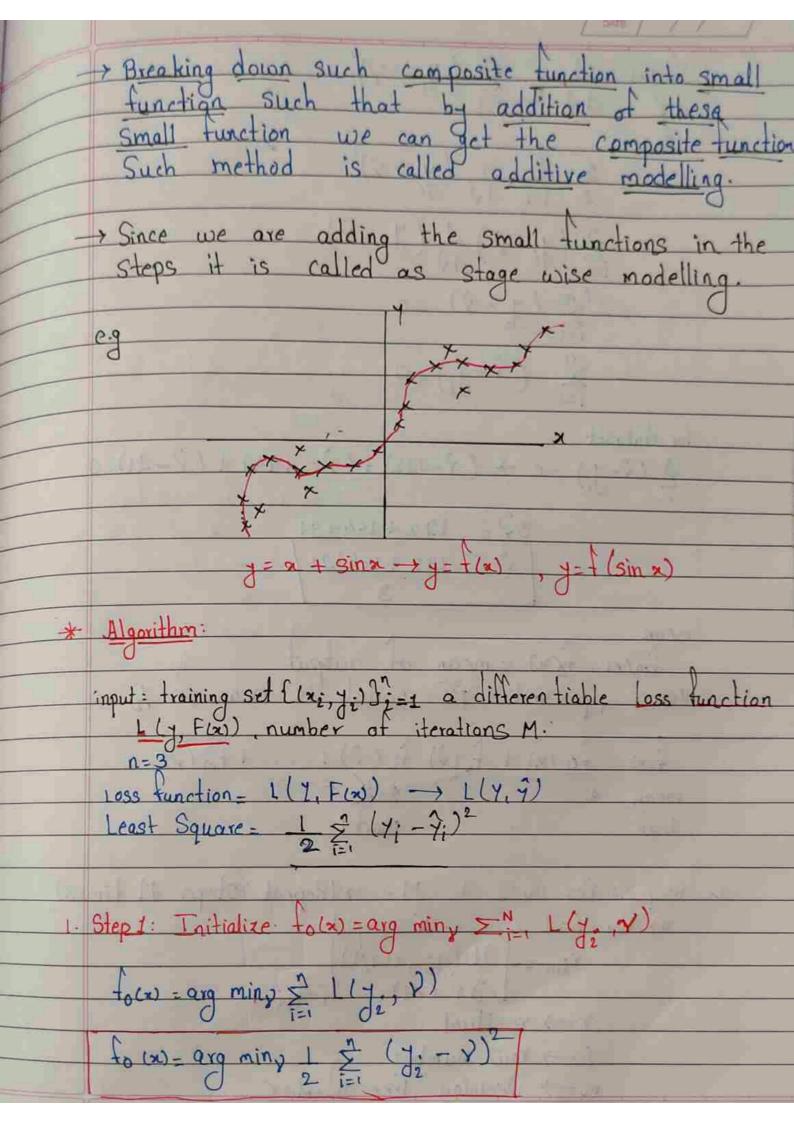
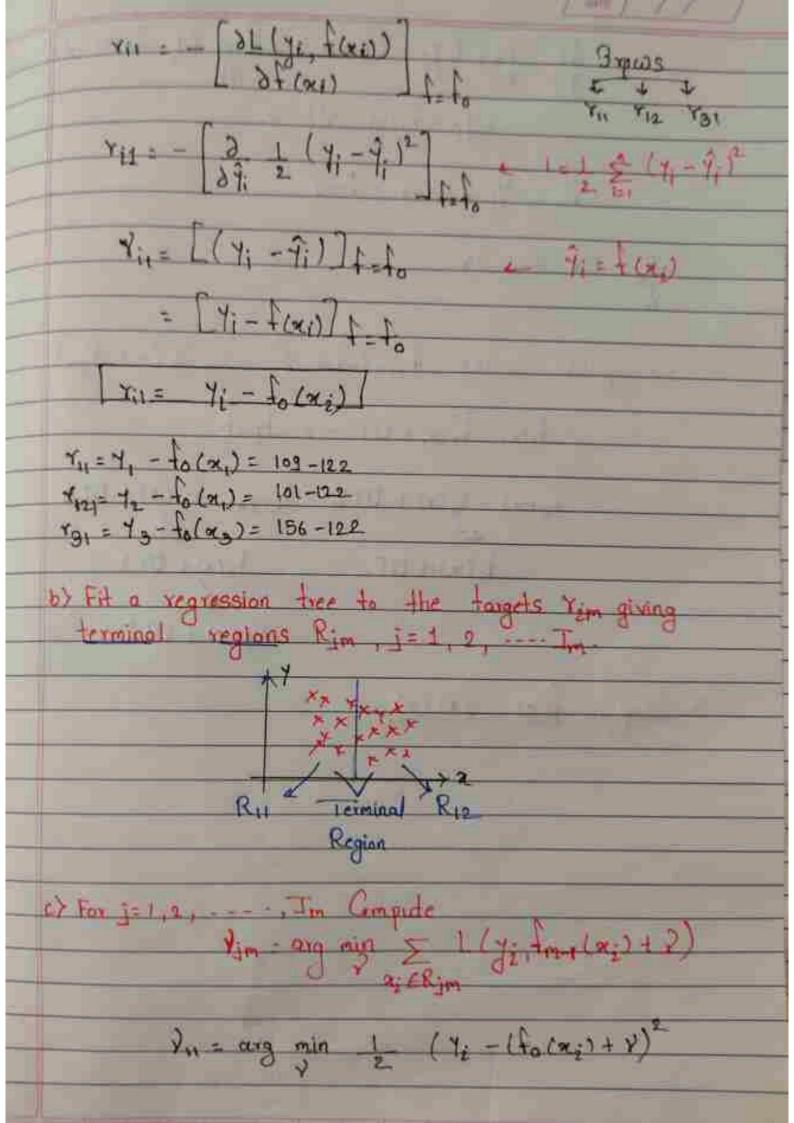
* andient Boosting Regression -All boosting algorithm uses Additive Modelling concept. (Stage wise additive modelling). * Additive Modelling * -Machine learning is nothing but relationship between input and output, that relationship can be defined as mathematical tunction. y=f(x),--ctc Such as linear regression, polynomial regression etc-But sometimes relationship functions are complex and composite and difficult to find out.



drow = d 1 = (7: - x)2 = 2 = d (y - v)2 = (Ji-V) d (Ji-V) = 1/2 (7-2) =0 = £ (2-1)=0 夏(マーカ) -0 > (マー192) + (マー144) + (マーヨリンの 32 = 192 + 144 + 91 Hence, proved 1st model is mean of 1/2 fin) = fo (x) + f. (2) f. (2) + --- + fm (2) 2 Step 2: For m=1 to M: -> (Repeat Steps M times) a) For 2=1,2, -- N compute i -> You number m -> Decision Tree Mudoer



dl -1x2 [y: - (to(x) + 2)] d (y: -to(x)-y))=0 - (j: -fo(x) - ?) = 0 2 = Y; - foco - 2=0 Da = 156 - 122 = 34 d) Update fm (x) = fm-1(x) + Em Zim I/x E Rim ficer = focos + DT -> output f2(x) = f1(x) + DT2 f(3)(x) = f2(x) + DT3 folia) + DT FICH DT2 to(2) + DT1 3. Step 3: f(x) = f m (x)