- solaphive youent Eshyanon. ACION CON be LOOKED OR combination of RMS PROP and yourestury concept where = word - 4 BL Bwold. UND =0 Sab =0 Udw=0 sqw = 0 where = wold - K Vdw VSdw+€ bnew = bold - 4 vab VSab + E Udw = BIXUdw + (I-B,) x BL Found SOW = B2ASOW + (1-B2) N BC DWOID) BI used to secon Running [0.9]
aug. at gradient B2 used to decay Running aug. of sp. gsacret Bais Carrection. 1 = 3 10th noise ~ OPHINIXES = 'Aday' IT. LEWS. OPPINIXES, AGON (Leoning Rane = 0.01; beta-1 =0.9, beta $_{2} = 0.99$, Epsicon = 157, Original = falle, Make = 'Adam') Achivation tunction. 2401+ 21 We + bas. 4= Matc = M121 + M222 + bigs Litricet HOT WARE. All the Loyer of Newsol Herwerk will behave the some. Multilgya NH will corner into Engle Loyer MN threshold 1 2000 OR/AND/XOR benony Function. Linear Act Function. f(x) = xil is one cauce noachivenon the as idean 4 tonchon. Lineoe ton will than the Newso/ Nelwer Anto one coys. Sigyord Sns. PIUI -20 to 20 tue oo 0.25 0.5 - 00 a(69) x (1-a(69)) 1 put -00 to 00 Egyloid also expensive in output o to 1 Decivative 0 to 0.25 coloushon. Eighoid cure is emooth. Big Hord is used tox Binary classification. Data co class associated 1 Data - on class associaned o. 1+6_(x1101+x5 m5+ pygs) Act (21 101+ 22 102+ bios) = Result 0 to 1 8940°9 0 > 10.€1 signoid is not a xero centre in. signoid unbound. Probley: vanishing gradient probley ton h hyprbouc tangent Devivative. Liput - a to a output -1 to 1 Deus. 0 to 1 Zero cealer tn. Expensue in colouation. vanishing grace ent problem. (Bignitect) Vanishing gradient (gyall) when = wold - x' &c i Dwold? new 1 441 42 43 44 45 oup 10.00062 10-0-1x 0.000625 9.9999 69 69 69 0.1x0.1 = Longe ta tan tan tan WIF = DC x 3031 wanishing grade 2021 2 WII3 0-120-120-120-1 pocameter of uggner Lour => gryau. N (0.25) changes agniticantly. 10.06251 Lows Loyer changes oue minische. stagnation in Learning Rave. RELU faput lesult $Max(e,0) \Rightarrow$ Max (4,0) = Input -a to a output yor (4,0) Devoor de out Rechtied Where units. unlostonarely Rew tonchon is not a pitect pick too the intermediate Layer. REOBIEN Dying REID PLOBIEM. once neuron is acad it is faseus ocad. $\frac{\partial \mathcal{C}}{\partial \omega_{\text{II}}} = \frac{\partial \mathcal{C}}{\partial \omega_{\text{II}}} \times \frac{\partial \mathcal{C}}{\partial \omega_{\text{II$ 0.25 00 × 0.25 × 0.25 = 0 Resul-Result =0. when your of these Newsons Perusa output o me gracients pails to How during back propagation. Willing welly longe Port of Metwork becomes macrie. unable to Lear fustiss. 1) Migh Learning Rove @ High negative bail Learcy Relu. Mar (0.1 x, x) toput 2 => 2 output 10 > -10x01 1 non satusared. 1-00/00/ @ Eary to compute. 3) no ayong Relu problem. il has provided expan postice More hus Left nay negative area. PRELU poce yearc. (x) +sainable polaryett as slope pocamen. this is another vorice of RETU. to volve the problem of bead newson as graduent becoming zero. Sponer 1801. 1 No oying Relu problem @ xero centre to. HU Uses Log cusue to active regarise volves unite Lealy Relue and poromete uses stronget W/R f(x) = 5 2 9200Mooel Patput SOFF MOX. COLL DOG = 569 N O.4 > DOG. } Result 1) (1000) = 80H NOO. C,D,T,C O TO O Y High Result (4) tight aes wibed as BOHLMOP PS COMBINATION OF // Resul multiple signoid probabily of each class. all classes prob suryation =1. Clarker $\frac{e^{\chi}}{\int_{1}^{2} e^{\chi}} = \frac{e^{40}}{e^{40}} = \frac{e^{40}$

Swigh. google.

F(x) = 2 = 1

i Mage class hear on

16 July Day 5

06:58

25 November 2022