Programming Assignment Overview: Planour Dorton Classification with one Hidden Loyer Learning objectives: - Inglement a 2-class classification NN w/ 1 HL

- Use units w/ a non-linear AF (e.g. tomb)

- Conquite coors entropy loss

- Implement for & backgrop. Contents: 5. Renformance on other Lortorsets 1. Pachages 2. Dataset 3. Simple log veg. 4. NN model 4.1. Defining the NN structure
4.2. Initialise the model's powermetary
4.3. Loop of the model's powermetary ZEIJCI) = (WEIJ CI) | LEIJ Z [2](i) [2] [10(i) [2] 1 (1) (2) (2) (2) (2) (2) (2) (2) Given predictions on all examples, cast: J=-1 \(\(\sq \text{(g(i) log (a [23(i)) + (1-y(i)) log (1-a [23(i)))} \) 4.4. Integrate 4.1, 4.2, 4.3 in nu model () 4.6. Tuning hidden layer Size · Longer models Condrettys) can fit the train set better, until they overfe · nh-5 BODD seems to be the best