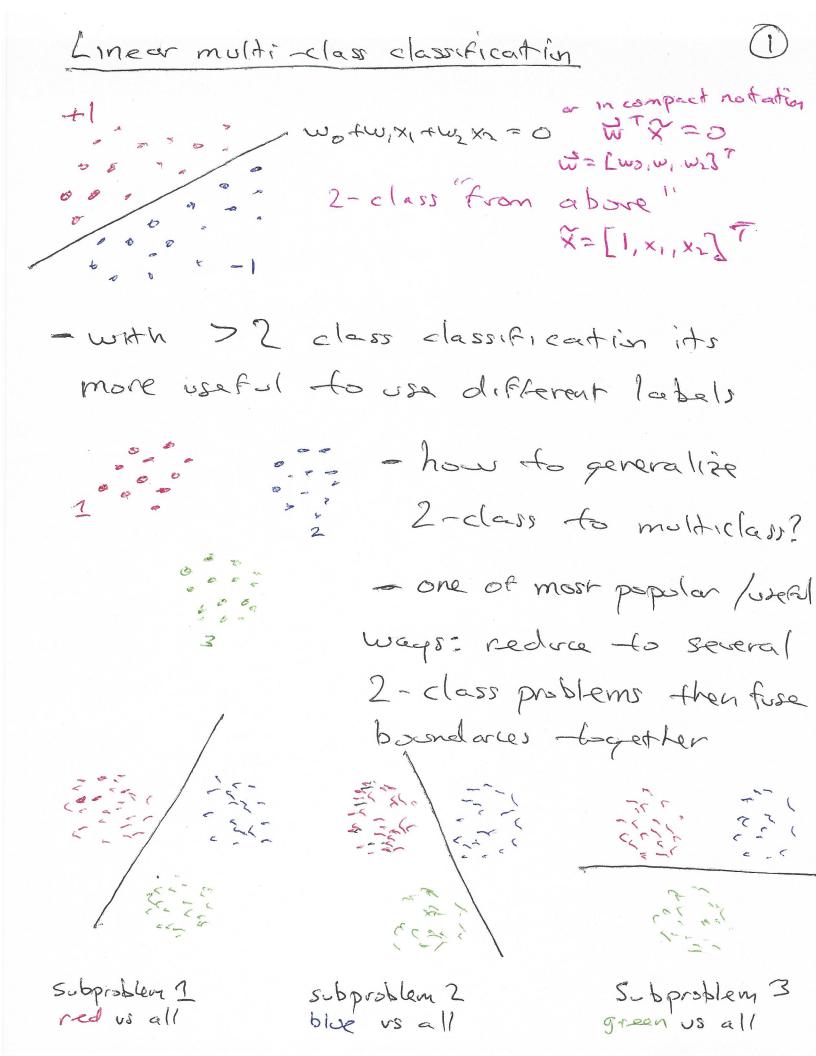
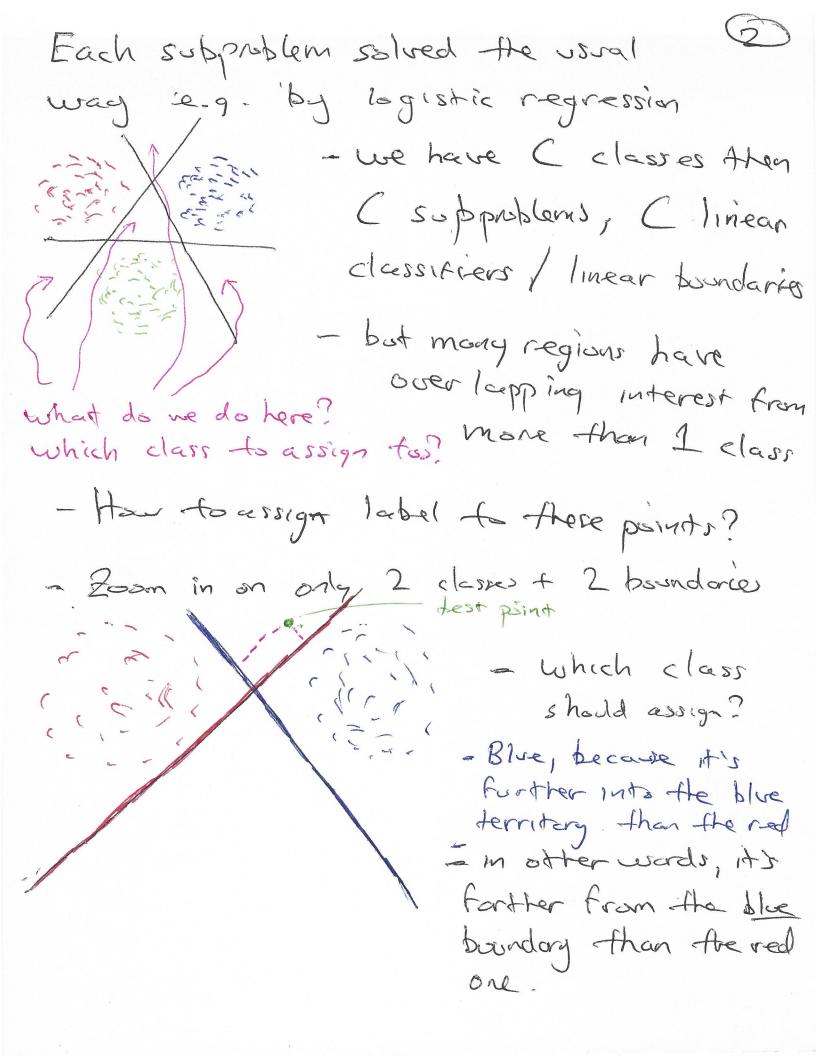
Linear multiclass classification Some geometra with planer.

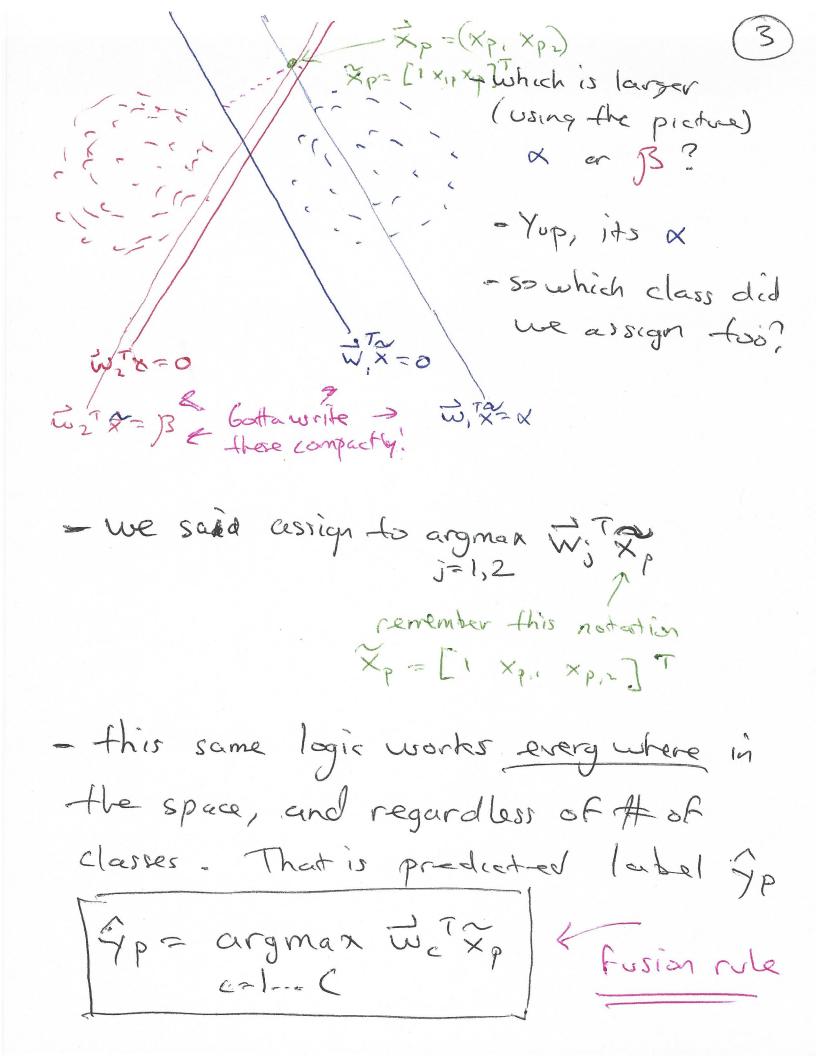
worte, x, +w_x = x - J -IF you slide a wo twix, tw2 x2 = 0

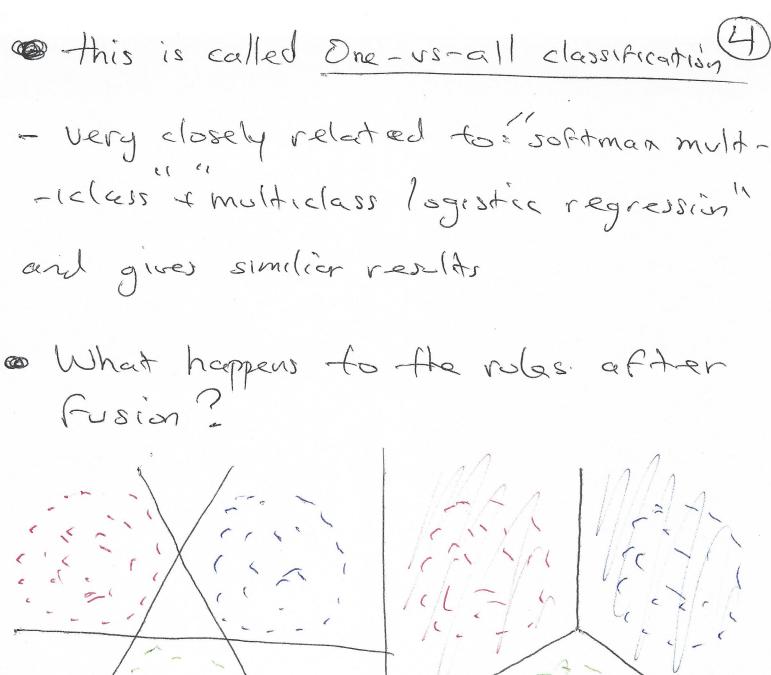
wo twix, tw2 x2 = 0

wo twix, tw2 x2 = -1 line/plane paircellel this one もましてい、メノインがニーマング A two class dataset Sliding the plane perclul up and down we can define the plane & where x >0 Wote, X, +w2 x2 = x by shifting up and w. + w, x, +wzxz = - x by shifting down. - the forther we shift, the larger (in absolute value) & becomes









Before AFter

- Dope!

So how do this elgorithmically - For each subproblem generate artifical labels specific to subproblem e.g. fl for class, -1 for all else - Solve all subproblems, giving wreights 2, wz - - we - to predict label of print

- to predict label of point &

G = argmax \(\vec{w}_e^T \chi \)

(=1...C