Errata in Fyfe’s “Chapter 3. Simple Supervised Learning” reading (CSCE 823 Reading 01):

"Nut Dataset" weights errata in Fyfe

in section 3.5, page 34, Fyfe mentions “The weights in this simple problem are guaranteed to converge to something like w0 = 0.5, w1 = 2, w2 = 3".  These weights will not create a proper decision boundary for the points specified in table 1.

The corrected phrase is " The weights in this simple problem are guaranteed to converge to something like w0 = 0.5, w1 = 2, **w2 = -3**"  (where the w2 term has a negative on it).  Note that convergence will happen whenever enough repetitions of your training data are correct or when your learning schedule causes the updates on incorrect data to be very small.   So you will likely get different values.   Double-check your converged weights by plotting the resulting discrimination boundary on the same graph as the set of datapoints.   If the boundary separates the points and looks reasonable then your weights are good.