Chapter 3

1) Page 61, equation (3.21) from top: It should be

$$\begin{aligned}
\boldsymbol{w}(t+1) &= \boldsymbol{w}(t) + \rho \boldsymbol{x}_{(t)} \text{ if } \boldsymbol{x}_{(t)} \in \omega_1 \text{ and } \boldsymbol{w}^T(t)\boldsymbol{x}_{(t)} \leq 0 \\
\boldsymbol{w}(t+1) &= \boldsymbol{w}(t) - \rho \boldsymbol{x}_{(t)} \text{ if } \boldsymbol{x}_{(t)} \in \omega_2 \text{ and } \boldsymbol{w}^T(t)\boldsymbol{x}_{(t)} \geq 0 \\
\boldsymbol{w}(t+1) &= \boldsymbol{w}(t), \text{ otherwise}
\end{aligned} \tag{3.1}$$

2) Page 77, in problem 3.4, line 15 from top: It should be "$[1,1]^T$" instead of "$[1,1]$".

3) Page 77, in problem 3.4, line 16 from top: It should be "$[0,0]^T$" instead of "$[0.5, 0.5]^T$".

4) Page 77, in problem 3.7, line 32 from top: It should be

$$\begin{aligned}
\boldsymbol{w}_i(t+1) &= \boldsymbol{w}_i(t) + \rho \boldsymbol{x}_{(t)} \text{ if } \boldsymbol{w}_i^T(t)\boldsymbol{x}_{(t)} \leq \boldsymbol{w}_j^T(t)\boldsymbol{x}_{(t)} \text{ }, j \neq i \\
\boldsymbol{w}_j(t+1) &= \boldsymbol{w}_j(t) - \rho \boldsymbol{x}_{(t)} \text{ if } \boldsymbol{w}_i^T(t)\boldsymbol{x}_{(t)} \leq \boldsymbol{w}_j^T(t)\boldsymbol{x}_{(t)} \text{ }, j \neq i \\
\boldsymbol{w}_l(t+1) &= \boldsymbol{w}_l(t), \ \forall\, l \neq j \text{ and } l \neq i
\end{aligned}$$