

In the first line of Equation 1.10, the upper limit of the second summation should be n not N .

In the second line of Equation 1.10, the limit ($N \rightarrow \infty$) is misplaced.

The corrected Equation 1.10 reads:

$$\begin{aligned}\mu &= \lim_{N \rightarrow \infty} \frac{1}{N} \sum_{i=1}^N x_i = \lim_{N \rightarrow \infty} \frac{1}{N} \sum_{j=1}^n [x_j NP(x_j)] \\ &= \lim_{N \rightarrow \infty} \sum_{j=1}^n [x_j P(x_j)]\end{aligned}\tag{1.10}$$