Correction to: Chapter 5 in: W. Hersh, *Information Retrieval: A Biomedical and Health Perspective*, Health Informatics,
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The original version of the book was inadvertently published with wrong Equations 5.2, 5.3 and 5.4, and the revised equations were updated in the chapter as follows,

$$\text{Document weight} = \frac{\sum_{\text{all query terms}} (\text{Weight of term in query} * \text{Weight of term in document})}{\sqrt{\left(\sum_{\text{all query terms}} \text{Weight of term in query}^2 \right) * \left(\sum_{\text{all document terms}} \text{Weight of term in document}^2 \right)}} \quad (5.2)$$

$$\begin{aligned} \text{New query weight} = & \\ & \alpha * \text{Original query weight} \\ & + \beta * \frac{1}{\text{number of relevant documents}} * \sum_{\text{all relevant documents}} \text{weight in document} \\ & - \gamma * \frac{1}{\text{number of nonrelevant documents}} * \sum_{\text{all nonrelevant documents}} \text{weight in document} \end{aligned} \quad (5.3)$$

$$\begin{aligned} \text{New query weight} = & \\ & \text{Original query weight} \\ & + \text{Average term weight in relevant documents} \\ & - \text{Average term weight in nonrelevant documents} \end{aligned} \quad (5.4)$$

The updated online version of this chapter can be found at https://doi.org/10.1007/978-3-030-47686-1_5