## Errata to *Q*—learning

Chris Watkins & Peter Dayan *Machine Learning* **8**:272–292

1. We are very grateful to Syed Bilal Mehdi for pointing out an error in the bottom equation on page 280. It should read:

$$Q^{\pi}(x, a) = \mathcal{R}_x(a) + \gamma \sum_{y} P_{xy}[a] V^{\pi}(y).$$

2. We are very grateful to Ali Eshragh Jahromi for pointing out an error in Lemma B.4 on page 291.

The assumption in the lemma about the proximity of  $P_{xy}^i[a]$  to  $P_{xy}[a]$  should read:

$$\sum_{y} |P_{xy}^{i}[a] - P_{xy}[a]| < \frac{\eta}{\mathcal{R}}, \forall x, a$$
 (1)