Correction for Same-Score Streaks: A Case Study in Modeling

This article contains errors in labeling on page 7 of the print-version of the April 2021 issue. The editorial board would like to thank Cornelia Van Cott for pointing this out.

Corrections from the authors:

First, in our definition of the 3-parameter Weibull distribution, the cases $x \geq \gamma$ and $x < \gamma$ should instead by $x \geq \beta$ and $x < \beta$.

Also, when fitting the data to the curve, we permuted the results of α, β, and γ described about halfway down the second column.

The actual results for the "away" data should be:

$\alpha_a = 5.564$, $\beta_a = -0.231$, and $\gamma_a = 1.674$;

while the actual results for the "home" data should be:

$\alpha_h = 5.787$, $\beta_h = -0.237$, and $\gamma_h = 1.832$.

In hindsight, we should have caught this in that alpha represents the scale parameter, beta a shift and gamma the shape parameter. The mean of the distribution should be approximately the scale parameter (alpha). Also, the shift is the only value allowed to be negative in the 3-parameter Weibull. The graphs and computations are correct, as we used the correct values to produce them, but we reported them incorrectly.