

CORRECTION

Correction: MultipleTesting.com: A tool for life science researchers for multiple hypothesis testing correction

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After the publication of this article [1] it was noticed that in the Sequential methods for multiple-testing correction subsection of the Introduction, the description of the Hochberg-correction contains an error.

The correct paragraph is: The Hochberg-correction, also called the step-up method, is based on a reverse scenario when the largest p-value is examined first. Once a significant p-value is identified, all the remaining smaller p-values would be declared significant (13). For example, if $n = 500$, the largest p-values are 0.3, 0.05, 0.01, and $\alpha = 0.05$, the following adjustments are concluded:

Rank#1: $0.3 * 1 = 0.3$, $0.3 > 0.05$, the test is not significant

Rank#2: $0.05 * 2 = 0.1$, $0.1 > 0.05$, the test is not significant

Rank#3: $0.01 * 3 = 0.03$, $0.03 < 0.05$, the test is significant, reject the null hypothesis, and all of the remaining p-values will be significant after correction.

The authors have stated that the online tool developed for multiple hypothesis testing corrections at www.multipletesting.com employs the correct Hochberg step-up algorithm.



Reference

1. Menyhart O, Weltz B, Györfly B (2021) MultipleTesting.com: A tool for life science researchers for multiple hypothesis testing correction. PLoS ONE 16(6): e0245824. <https://doi.org/10.1371/journal.pone.0245824> PMID: 34106935

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