

Correction to Identification of Descriptors Capturing Compound Class-Specific Features by Mutual Information Analysis [*Journal of Chemical Information and Modeling* 2010, 50, 1935–1940].  
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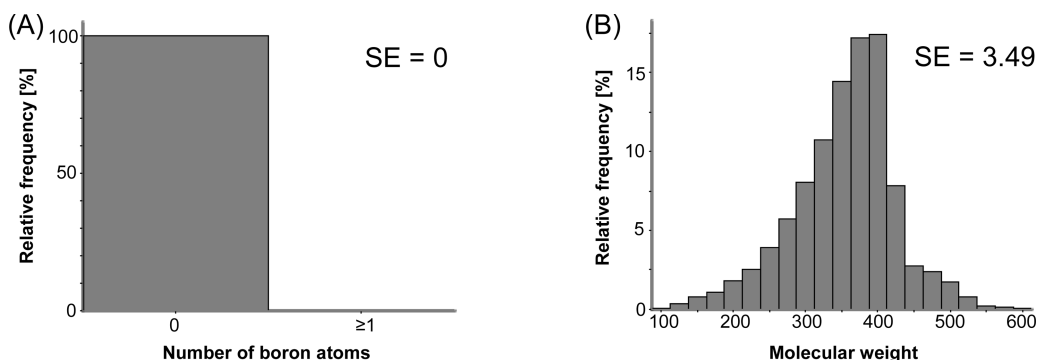
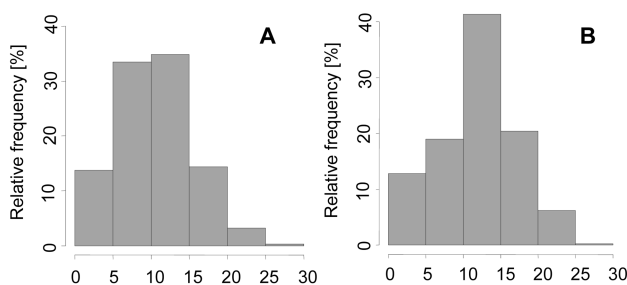


Figure 1

1. Calculation of histograms for databases **A** and **B**

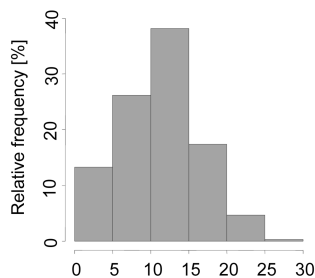


2. Calculation of class specific entropies

$$H_A(D) = 2.05$$

$$H_B(D) = 2.10$$

3. Calculation of the combined histogram



4. Calculation of SE for combined histogram

$$H_{AB}(D) = 2.09$$

5. Calculation of DSE

$$DSE(D) = 2.09 - ((2.05 + 2.10) / 2) = 0.015$$

Figure 3

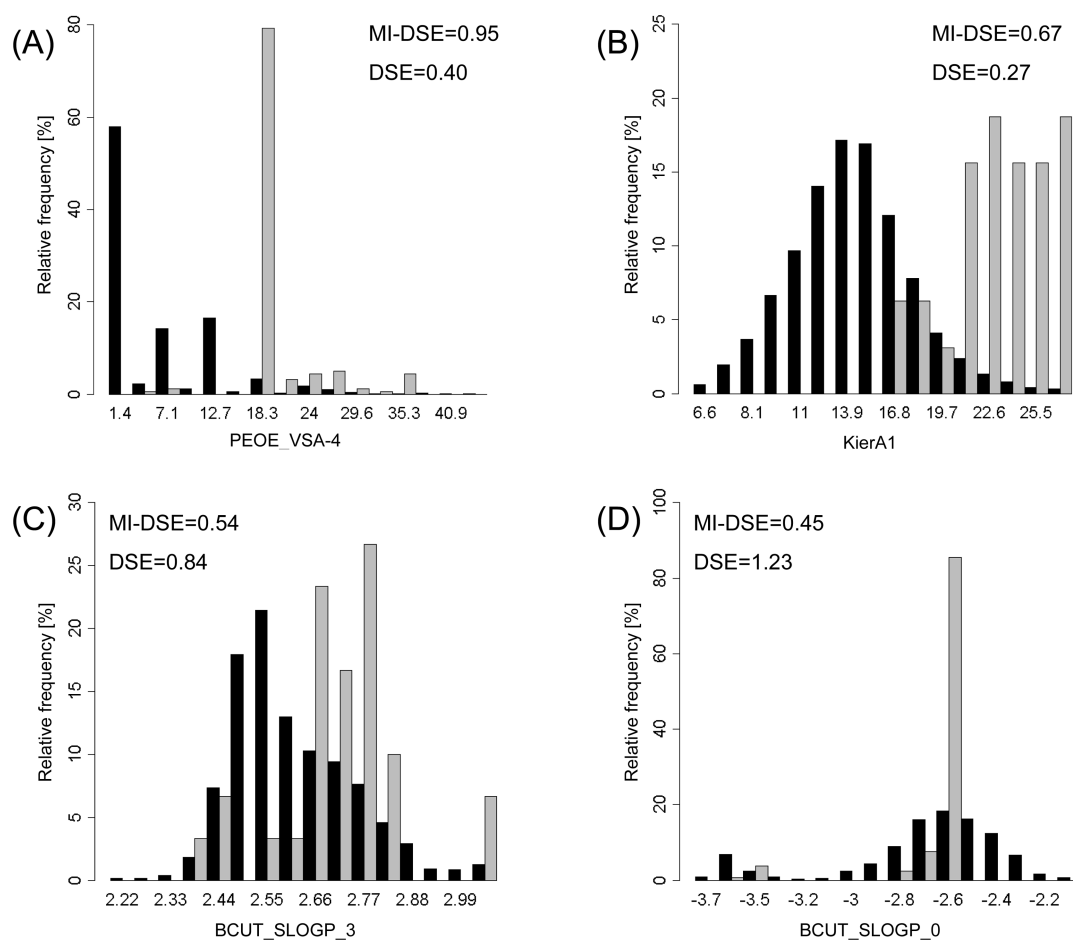


Figure 5

Page 1939: Typographical sign errors have occurred in eqs 7 and 9. The corrected equations are listed below

$$MI(D, C) = H(D) - \frac{(H_A(D) + H_B(D))}{2}$$

with  $MI(D, C) \leq H(C) = 1$  (7)

$$MI-DSE(D) = H_{\text{norm}}(D) - \frac{H_A(D) + H_B(D)}{2} \quad (9)$$

Pages 1936–1939: We have noticed plotting/labeling errors in individual histograms in Figures 1, 3, and 5. The corrected figures are provided.

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