

Statistical Parameters:

C_m and C_o denote the simulated and observed concentrations, respectively.
 N and n are the sample number.

MB (Mean Bia)

$$MB = \frac{1}{N} \sum_l^n (C_m - C_o), \quad (1)$$

NMB (normalized Mean Bias)

$$NMB = \frac{\sum_l^n (C_m - C_o)}{\sum_l^n C_o} \times 100\%. \quad (2)$$

NME (normalized Mean Error)

$$NME = \left| \frac{\sum_l^n (C_m - C_o)}{\sum_l^n C_o} \right| \times 100\%. \quad (3)$$

RMSE (Root Mean Square Error)

$$RMSE = \sqrt{\frac{\sum_l^n (C_m - C_o)^2}{n}} \quad (4)$$