Dear Gabriele, I found a typo in Equation 1 which I would like to fix and I was instructed to request your special permission, which makes sense.

In the text the second component of the metric is correctly described: “The second, E2, is defined as the ratio between the synthetic and the true ensemble standard deviations.”

Likely because of a latex slip, the first symbol at the numerator of the ratio constituting the second component of the metric in equation 1, became a <**y**> while it should be a .

It is also said in the text that in a perfect emulation, when **y,** E2=1, which makes sense with the correction but not with the current erroneous formulation. I hope this can be fixed, and I apologize for the oversight.

Here below I include the latex code and two screen shots showing the equation before and after.

Thank you for considering,

Claudia

Latex before:

\begin{equation}\label{eq:Er}

E\_r(\textbf{y},\hat{\textbf{y}})=\left(\frac{|\langle\textbf{y}\rangle-\langle\hat{\textbf{y}}\rangle|}{\sqrt{\langle(\textbf{y}-\langle\textbf{y}\rangle)^2\rangle}},\sqrt{\frac{\langle(\langle\textbf{y}\rangle-\langle\hat{\textbf{y}}\rangle)^2\rangle}{\langle(\textbf{y}-\langle\textbf{y}\rangle)^2\rangle}}\right).

\end{equation}

PDF version before:

Text, whiteboard

Description automatically generated

Latex after the required correction should become:

\begin{equation}\label{eq:Er}

E\_r(\textbf{y},\hat{\textbf{y}})=\left(\frac{|\langle\textbf{y}\rangle-\langle\hat{\textbf{y}}\rangle|}{\sqrt{\langle(\textbf{y}-\langle\textbf{y}\rangle)^2\rangle}},\sqrt{\frac{\langle(\hat{\textbf{y}}-\langle\hat{\textbf{y}}\rangle)^2\rangle}{\langle(\textbf{y}-\langle\textbf{y}\rangle)^2\rangle}}\right).

\end{equation}

PDF after the required correction should read:

Text

Description automatically generated