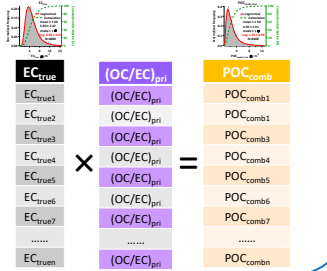


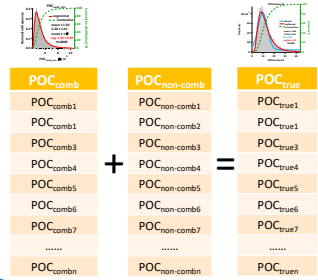
Data generation steps by MT

1) Generate EC_{true} by MT

2) Compute POC_{comb}



3) Compute POC_{true}



(4-a) Compute ε_{POC} and ε_{EC} with $\gamma_{Unc-nonlinear}$

$$-\sqrt{\frac{LOD_{POC}}{POC_{true}}} \times \alpha_{POC} \times POC_{true} \leq \varepsilon_{POC} \leq +\sqrt{\frac{LOD_{POC}}{POC_{true}}} \times \alpha_{POC} \times POC_{true}$$

$$-\sqrt{\frac{LOD_{EC}}{EC_{true}}} \times \alpha_{EC} \times EC_{true} \leq \varepsilon_{EC} \leq +\sqrt{\frac{LOD_{EC}}{EC_{true}}} \times \alpha_{EC} \times EC_{true}$$

(4-b) Compute ε_{POC} and ε_{EC} with $\gamma_{Unc-linear}$

$$-\gamma_{POCunc} POC_{true} \leq \varepsilon_{POC} \leq +\gamma_{POCunc} POC_{true}$$

$$-\gamma_{ECunc} EC_{true} \leq \varepsilon_{EC} \leq +\gamma_{ECunc} EC_{true}$$

5) Compute $POC_{measured}$ and $EC_{measured}$

