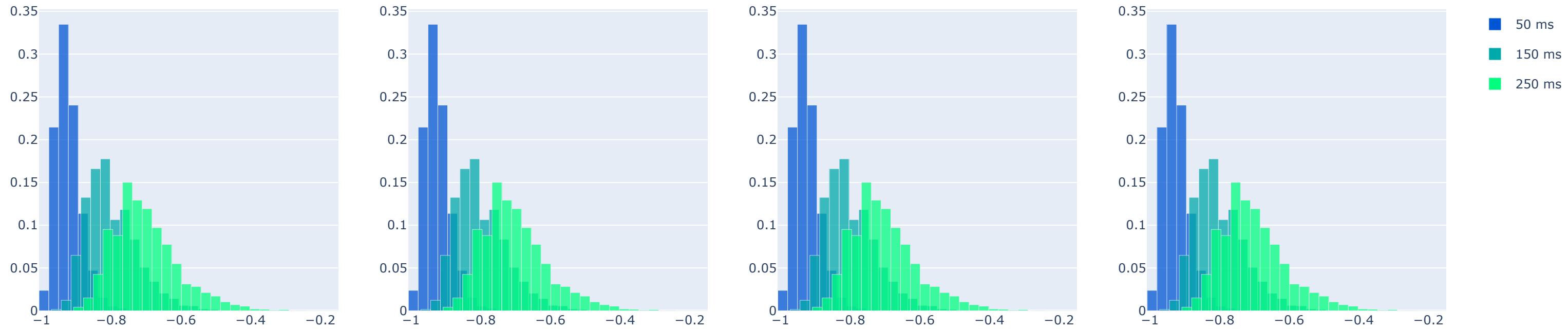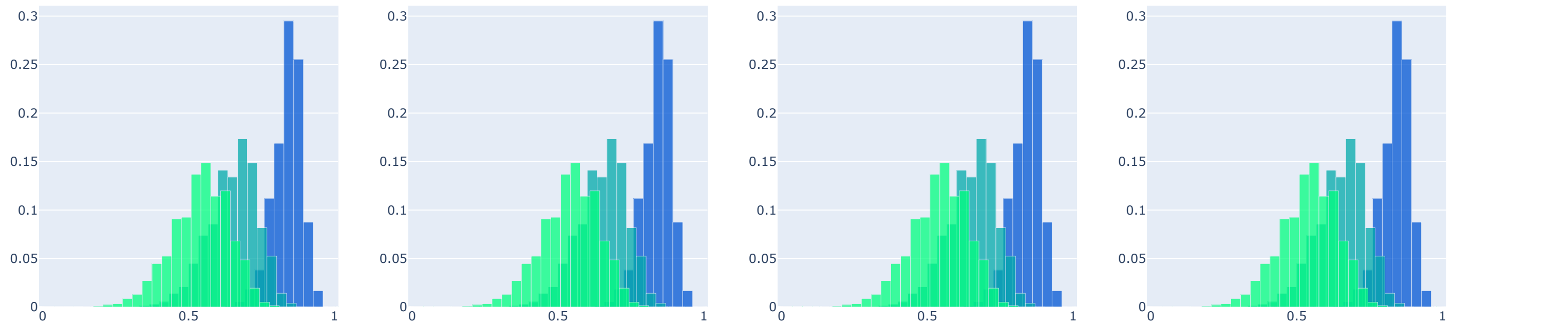Mean, $\langle \sigma_i \rangle$

Pair-wise covariance, $\langle \sigma_i \sigma_j \rangle$

Relative frequency

Legend: 50 ms, 150 ms, 250 ms