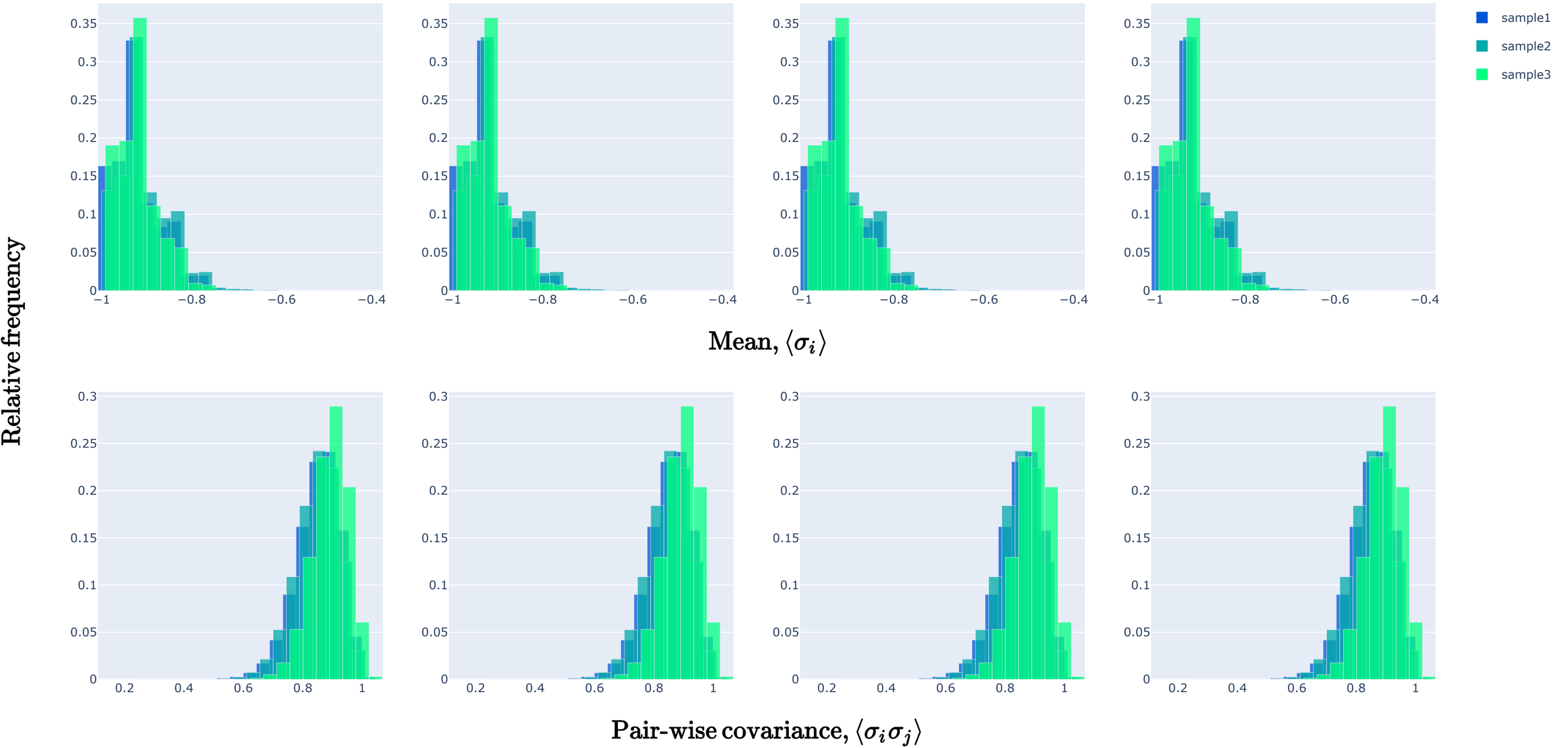
sample1
sample2
sample3
Relative frequency
Mean, $\langle \sigma_i \rangle$
Pair-wise covariance, $\langle \sigma_i \sigma_j \rangle$