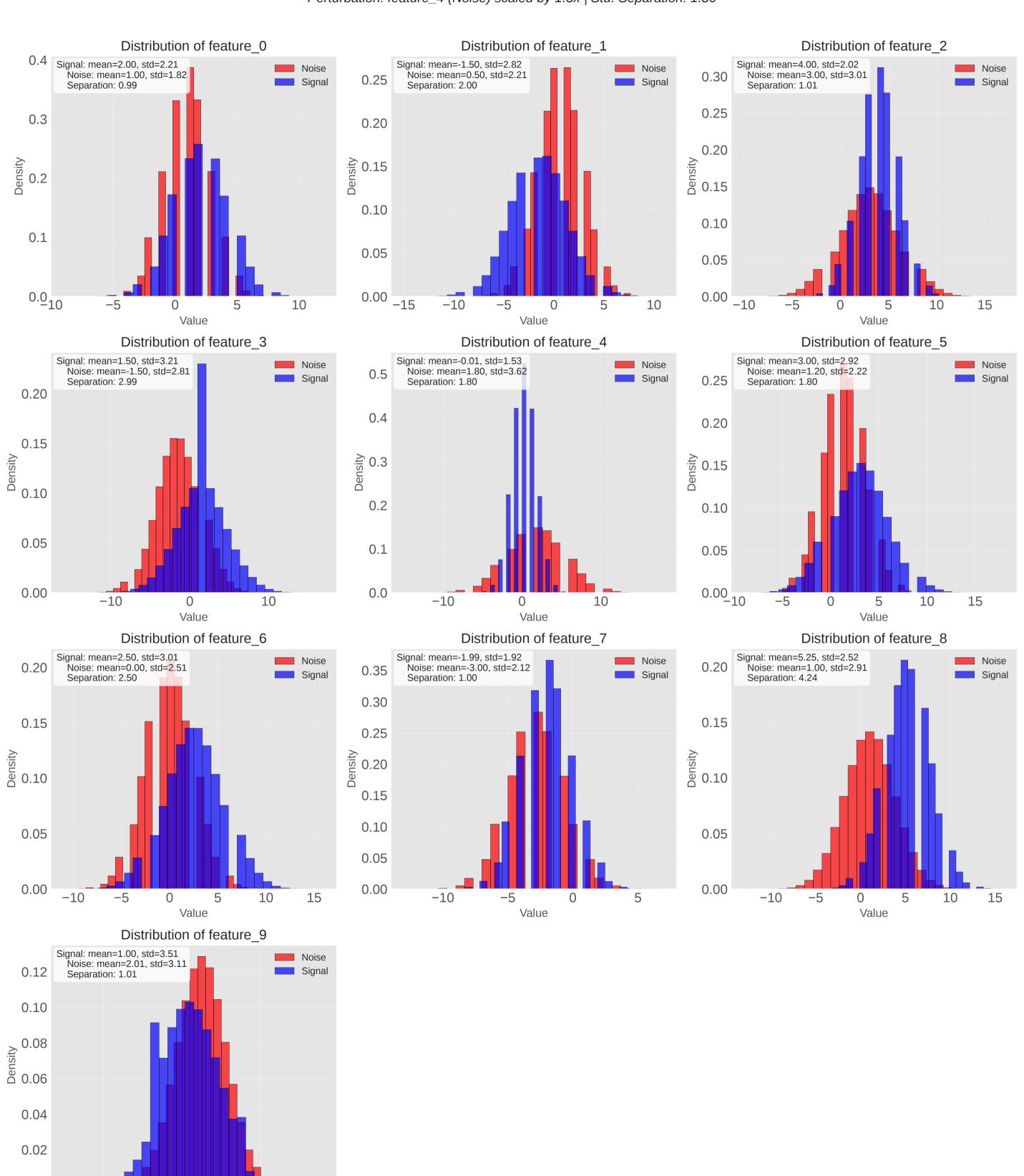**Distribution of Generated Features**

Dataset: 1,000,000 Samples, 10 Features (0 Cont, 10 Disc)
Perturbation: feature_4 (Noise) scaled by 1.5x | Std. Separation: 1.80

Distribution of feature_0
Signal: mean=2.00, std=2.21
Noise: mean=1.00, std=1.82
Separation: 0.99

Distribution of feature_1
Signal: mean=-1.50, std=2.82
Noise: mean=0.50, std=2.21
Separation: 2.00

Distribution of feature_2
Signal: mean=4.00, std=2.02
Noise: mean=3.00, std=3.01
Separation: 1.01

Distribution of feature_3
Signal: mean=1.50, std=3.21
Noise: mean=-1.50, std=2.81
Separation: 2.99

Distribution of feature_4
Signal: mean=-0.01, std=1.53
Noise: mean=1.80, std=3.62
Separation: 1.80

Distribution of feature_5
Signal: mean=3.00, std=2.92
Noise: mean=1.20, std=2.22
Separation: 1.80

Distribution of feature_6
Signal: mean=2.50, std=3.01
Noise: mean=0.00, std=2.51
Separation: 2.50

Distribution of feature_7
Signal: mean=-1.99, std=1.92
Noise: mean=-3.00, std=2.12
Separation: 1.00

Distribution of feature_8
Signal: mean=5.25, std=2.52
Noise: mean=1.00, std=2.91
Separation: 4.24

Distribution of feature_9
Signal: mean=1.00, std=3.51
Noise: mean=2.01, std=3.11
Separation: 1.01