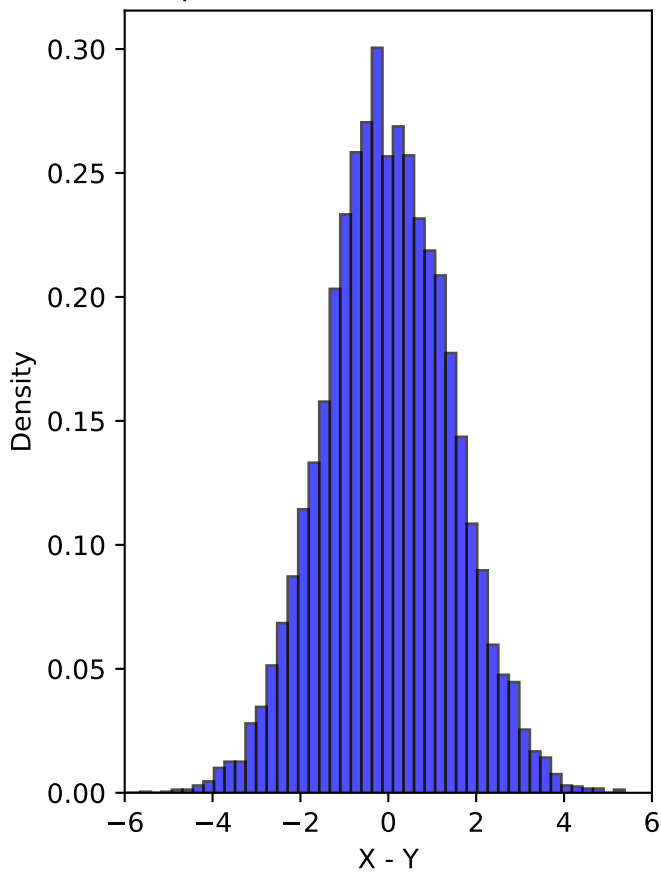


Independent: $\text{Var}(X-Y) = 2.026 \approx 2$



Perfect Correlation: $\text{Var}(X-Y) = 0.000 \approx 0$

