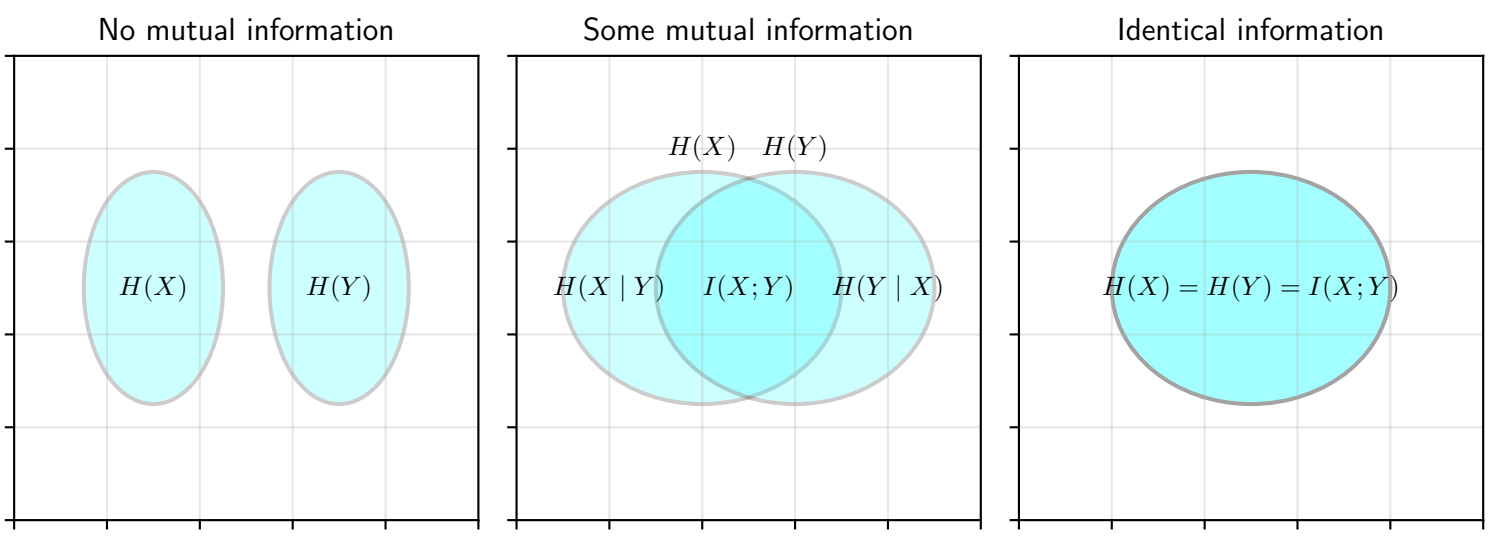
No mutual information
$H(X)$
$H(Y)$
Some mutual information
$H(X)$ $H(Y)$
$H(X \mid Y)$
$I(X;Y)$
$H(Y \mid X)$
Identical information
$H(X) = H(Y) = I(X;Y)$