A. Empirical response distributions to causal queries

Non-diagnostic consistent
$P(X_i=1 \mid Y=1, X_j=1)$

Non-diagnostic inconsistent
$P(X_i=1 \mid Y=1, X_j=0)$

Diagnostic consistent
$P(Y=1 \mid X_i=1, X_j=1)$

Transitive
$P(X_i=1 \mid X_j=1)$

Density
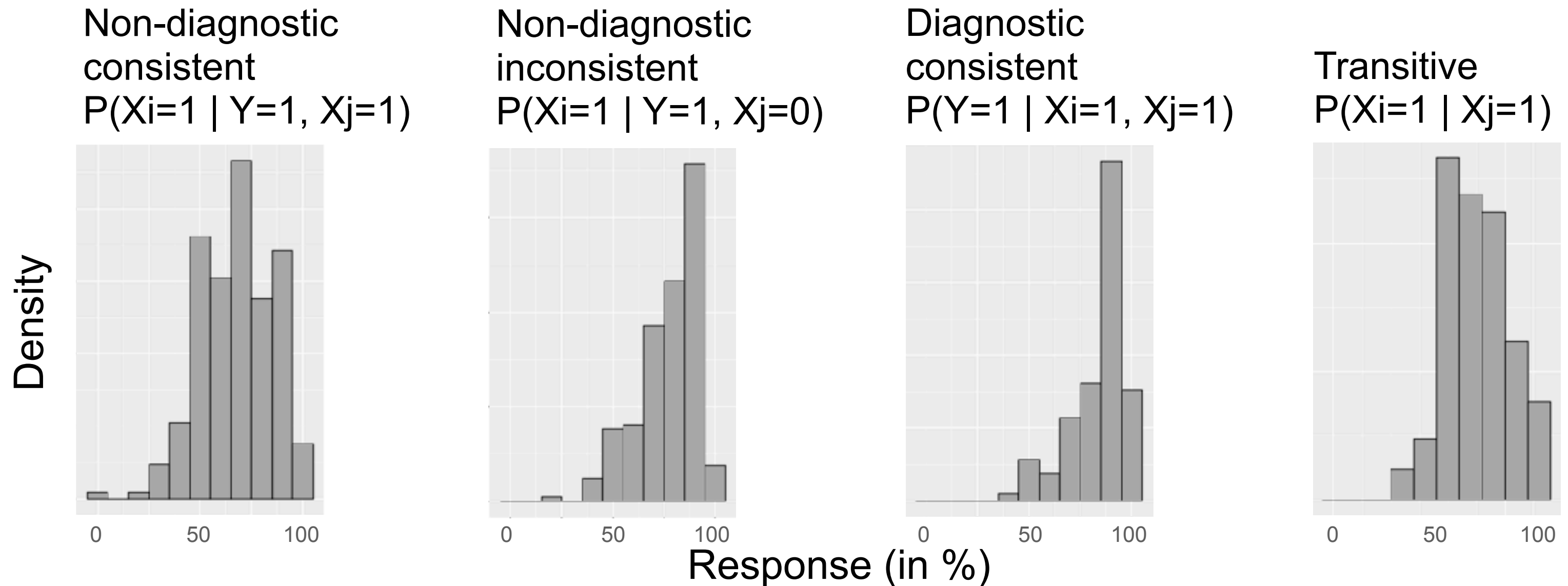
Response (in %)

B. Mutation sampler response distributions

Non-diagnostic consistent
$P(X_i=1 \mid Y=1, X_j=1)$

Non-diagnostic inconsistent
$P(X_i=1 \mid Y=1, X_j=0)$

Diagnostic consistent
$P(Y=1 \mid X_i=1, X_j=1)$

Transitive
$P(X_i=1 \mid X_j=1)$

Density

Response (in %)