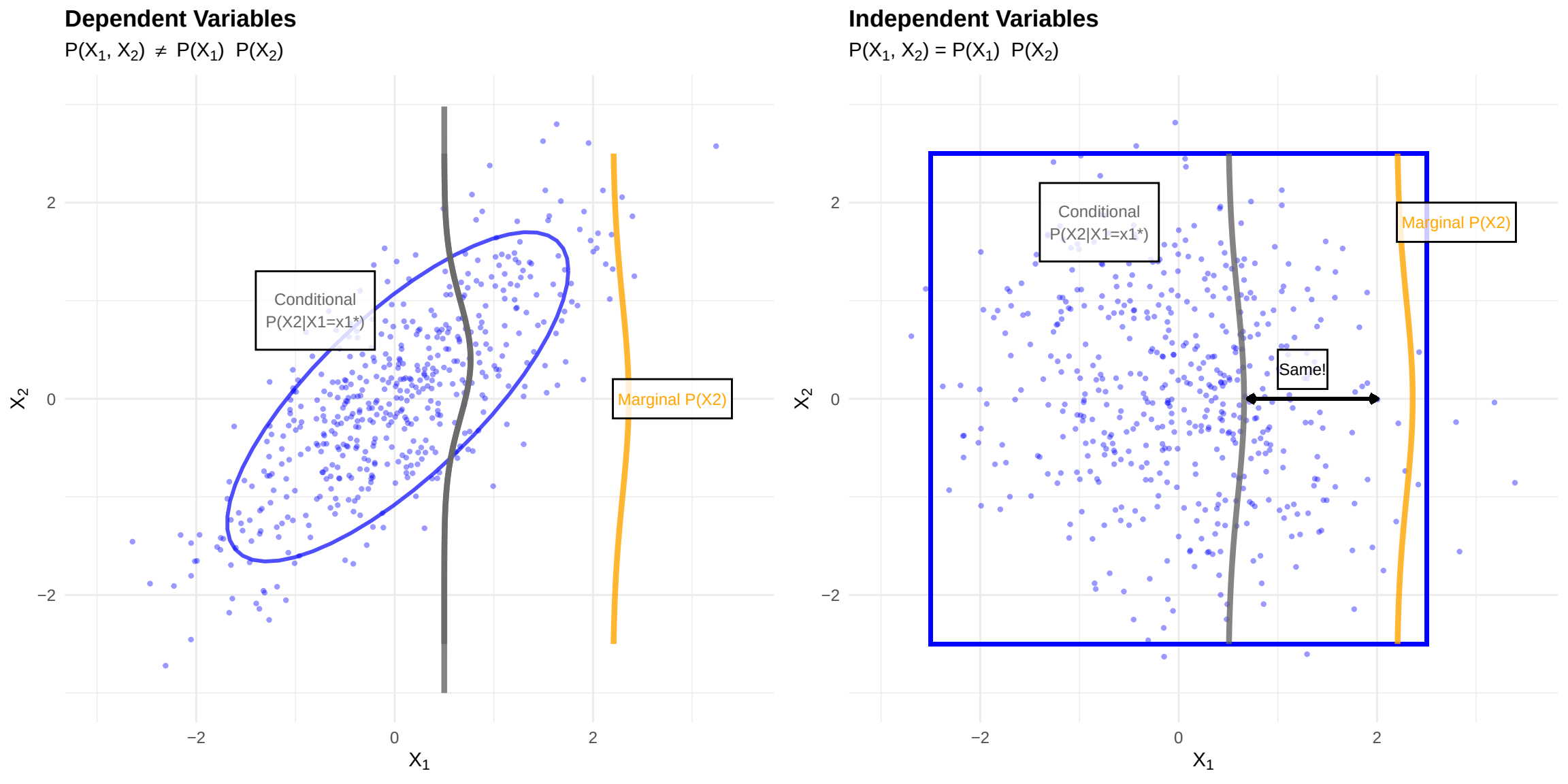
Dependent Variables
$P(X_1, X_2) \neq P(X_1)\ P(X_2)$
Conditional
P(X2|X1=x1*)
Marginal P(X2)
X_2
X_1
2
0
−2
Independent Variables
$P(X_1, X_2) = P(X_1)\ P(X_2)$
Conditional
P(X2|X1=x1*)
Marginal P(X2)
Same!
X_2
X_1
2
0
−2