Symbol	Description
$\mathcal{X}$	support of variable $X$
${\mathcal Y}$	support of variable $Y$
P(X)	distribution of $X$
P(x)	probability of $X = x$
P(X,Y)	joint distribution of $(X, Y)$
P(Y X)	conditional distribution of $Y$ given $X$
P(Y x)	conditional distribution of Y given $X = x$
•	cardinality of a set