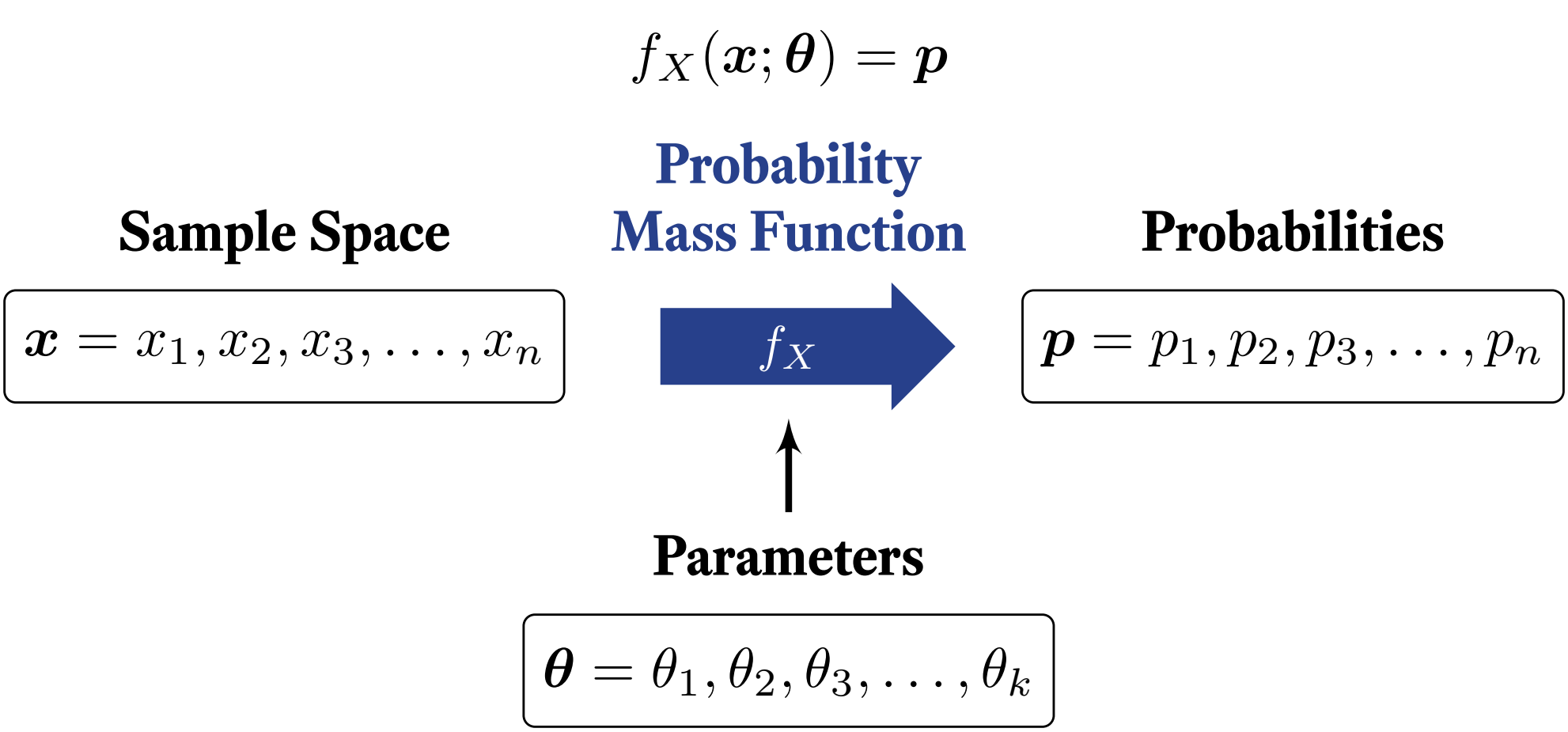
$f_X(\boldsymbol{x};\boldsymbol{\theta}) = \boldsymbol{p}$
Probability Mass Function
Sample Space
$\boldsymbol{x} = x_1, x_2, x_3, \ldots, x_n$
$f_X$
Probabilities
$\boldsymbol{p} = p_1, p_2, p_3, \ldots, p_n$
Parameters
$\boldsymbol{\theta} = \theta_1, \theta_2, \theta_3, \ldots, \theta_k$