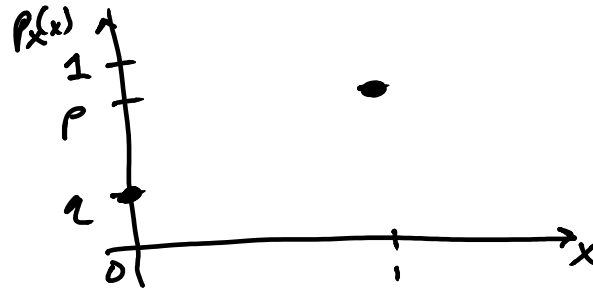


Mass and CDF of Bernoulli random variables

$$P(X=1) = p$$

$$P(X=0) = 1-p = q$$

Mass $P_X(1) = p$
 $P_X(0) = q$
 $P_X(x) = 0$ otherwise



CDF $F_X(x) = 0$ if $x < 0$
 $= q$ if $0 \leq x < 1$
 $= 1$ if $1 \leq x$

