S Continuous RV. -> Continuous P.D.

Probabily Distribution - How over the probabilities distributed across all the values of the R.V. (x)

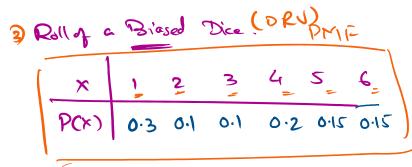
Bar Chart (P.D.)

F H. T

P(K) 1/2 1/2

Bar Chart (P.D.)

DRN (x) -> { 1,2,3,4,5,6} Pob (A) 12 3 21 5 6



PMI -> Probability Mass Fuction.

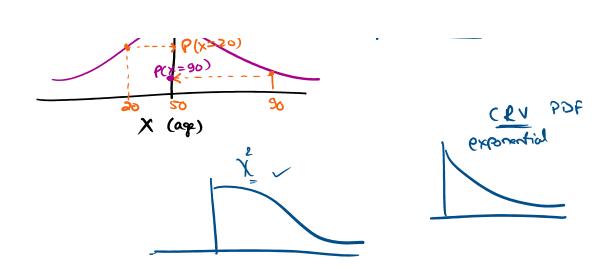
() P.D. Table for the DRV.

2 PMF = 1

What PMF -> DRV

Pools. Densily P"

P(K) (cont. plot)



Cumulative Densily for (cDf)

Cumulative (Sum of) all the probabilities that a R.V. (x)

Can take a value less than or equal to a

CDF > P(x < a)

P(x) -> PDF

OR

PMF

D Roll of a rollies

Of getting a number = P(x=1) + P(x=2) + P(x=3) + P(x=4) $= \frac{1}{6} + \frac{1}{6} + \frac{1}{6} + \frac{1}{6}$ $= \frac{1}{6} + \frac{1}{6} + \frac{1}{6} + \frac{1}{6}$ $= \frac{1}{6} + \frac{1}{6} + \frac{1}{6} + \frac{1}{6}$ P(x) $\frac{1}{6} + \frac{1}{6} + \frac{1}{6} + \frac{1}{6}$ Area of this

