

## DAY - 1 MATH

PMF = Probability of all outcomes occur  
always 1. Full form is probability

mass function. Sum of probabilities

CDF = Probability of outcomes from one  
point to the end of basic

come. Cumulative <something> function

Sum of probabilities

Density function = Sum of probabilities of  
Set of defined outcomes.

Think dice rolled. Basic outcome is all  
the outcomes which can be a result of the

dice roll  $\Rightarrow \{1, 2, 3, 4, 5, 6\}$

$\rightarrow \text{PMF} = \text{Probability}(1) + \dots + \text{Probability}(6)$