random variables

example

Toss a coin 3 times: the sample space is Ω : {H,T} × {H,T} × {H,T}

Define the random variable: X = the number of heads

What is the probability of each outcome of X?

Outcome (
$$\omega$$
) | HHH HTH THH HHT HTT THT TTH TTH $X(\omega)$ | $X(\omega)$ |

random variables



Toss two dice, the sample space is given by $\Omega:\{1,2,3,4,5,6\}\times\{1,2,3,4,5,6\}$

Let the random variable X denote the sum of the two dice.

What is the probability of each outcome X?

	1	2	3	4	5	6
1						
2						
3						
4						
5						
6						