

The Buffon's Needle:

Lecture
Discussion Point.
28/06/2022.

↳ On choosing the correct set of random variables

- ① Complete probabilistic description
- ② The distribution / probability model
- ③ Joint distribution
- ④ Drawing from a distribution

→ Conditional distribution

$$f_{X|Y}(x|y)$$

→ Given a pair X, Y , why do we care for $f_{X,Y}(x,y)$? Why doesn't just $f_X(x) + f_Y(y)$ suffice? Do they even suffice?