

# Random variables

↙ unknown

→ value that varies  
 $x, y$

Ex) Value from the roll of a die,  $X$   
Percentage ↑ stock price Apple shares,  $Y$

\* RVs are not events

↳ RVs describe events

$$X > 3, X = 2$$

$$Y > 10\%, -1\% \leq Y \leq 2\%$$

RVs are our main way of interacting with probability.

$$\Pr(X > 3)$$

$$\Pr(X = 2)$$