



WWDC17

You need to get a ...

Event



Get a figure

Get a King / ...

the card is ...

Provide  
info



it is diamonds ...  
it is a figure

Guess  
Probability



$1/10$

$1/40$

...



Random  
question

Solve  
with algorithm

- check each  
possibility

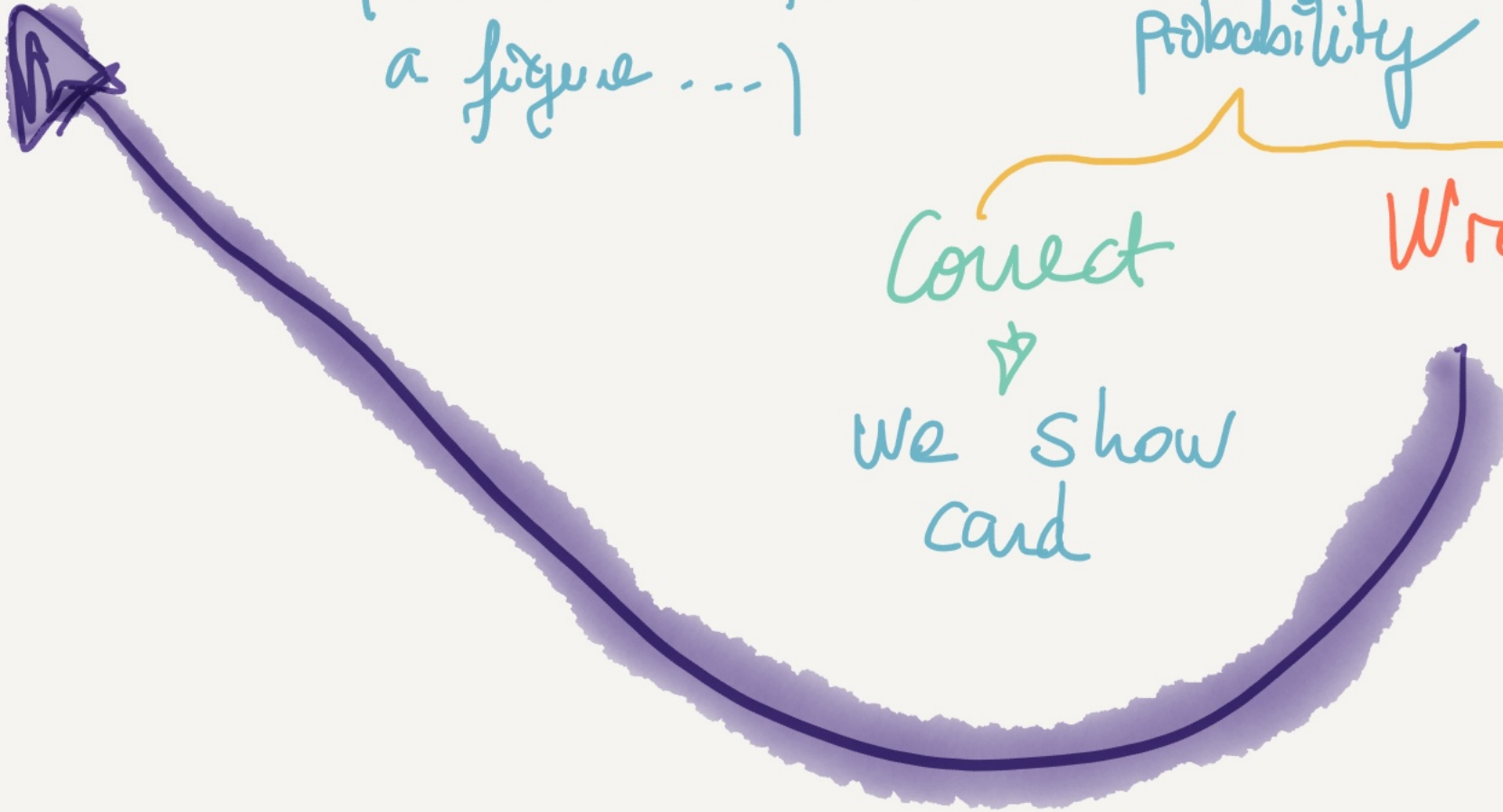
getCard() → Provides info  
(it is diamond, it is  
a figure ...)

→ User guess  
probability

Correct

Wrong

→  
we show  
card





% of this →	Ace	Jack	Queen	King	Number
Number	$\frac{1}{10}$	0	0	0	100%
Figure	0	$\frac{1}{3}$	$\frac{1}{3}$	$\frac{1}{3}$	0
Suit Diamonds	$\frac{1}{13}$	$\frac{1}{13}$	$\frac{1}{13}$	$\frac{1}{13}$	$\frac{10}{13}$

↑  
With  
this  
factor

numbers  
 Cards → A, 2, 3, 4, 5, 6, 7, 8, 9, 10, J, Q, k  
 figures