



Success

Isn't Repeatable

Hywel Carver

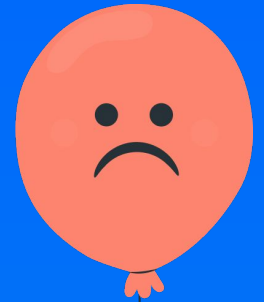
What's your favourite

best practice?



When is it

bad practice?

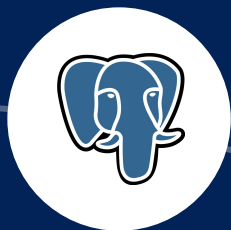




Learning
matters a lot
in technology



1991



1997



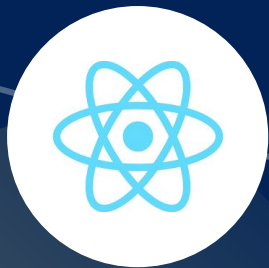
2004



2005



2012



2013



2013



2014



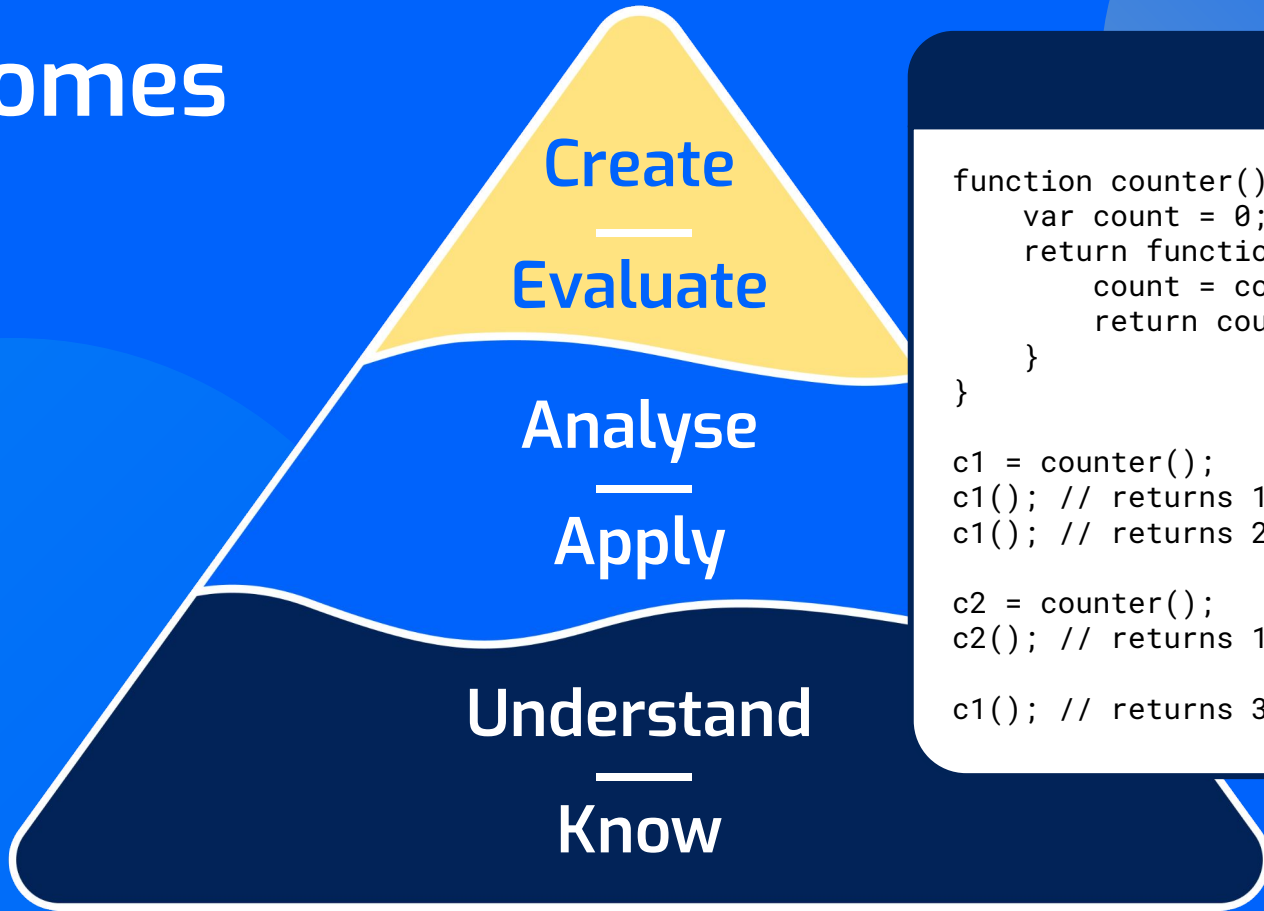
2015



The rise of the
non-traditional dev
(it's their job, not their hobby)

Two Frameworks: Bloom & ICAP

Outcomes



```
function counter() {  
  var count = 0;  
  return function() {  
    count = count + 1;  
    return count;  
  }  
}  
  
c1 = counter();  
c1(); // returns 1  
c1(); // returns 2  
  
c2 = counter();  
c2(); // returns 1  
  
c1(); // returns 3
```

Inputs

Interactive *beats*

Constructive *beats*

Active *beats*

Passive



1 hard falsehood

1 hard truth

Learning Styles



Visual



Auditory



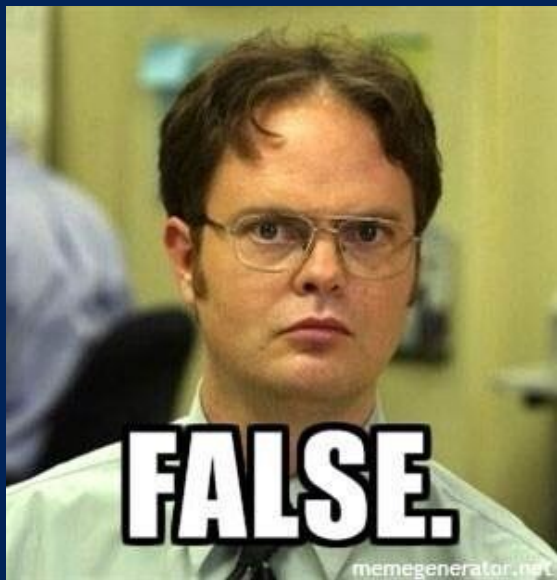
Reading



Writing

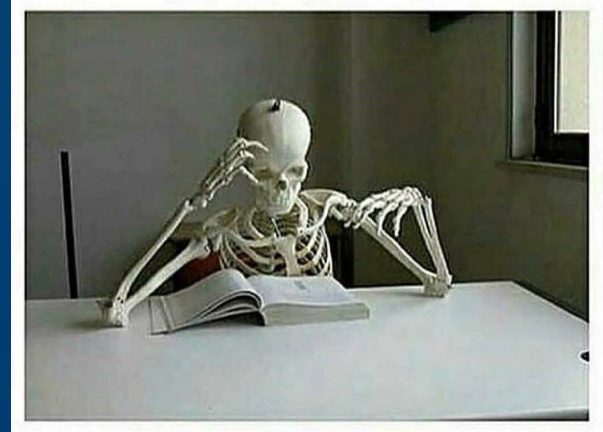


Kinesthetic



Boredom

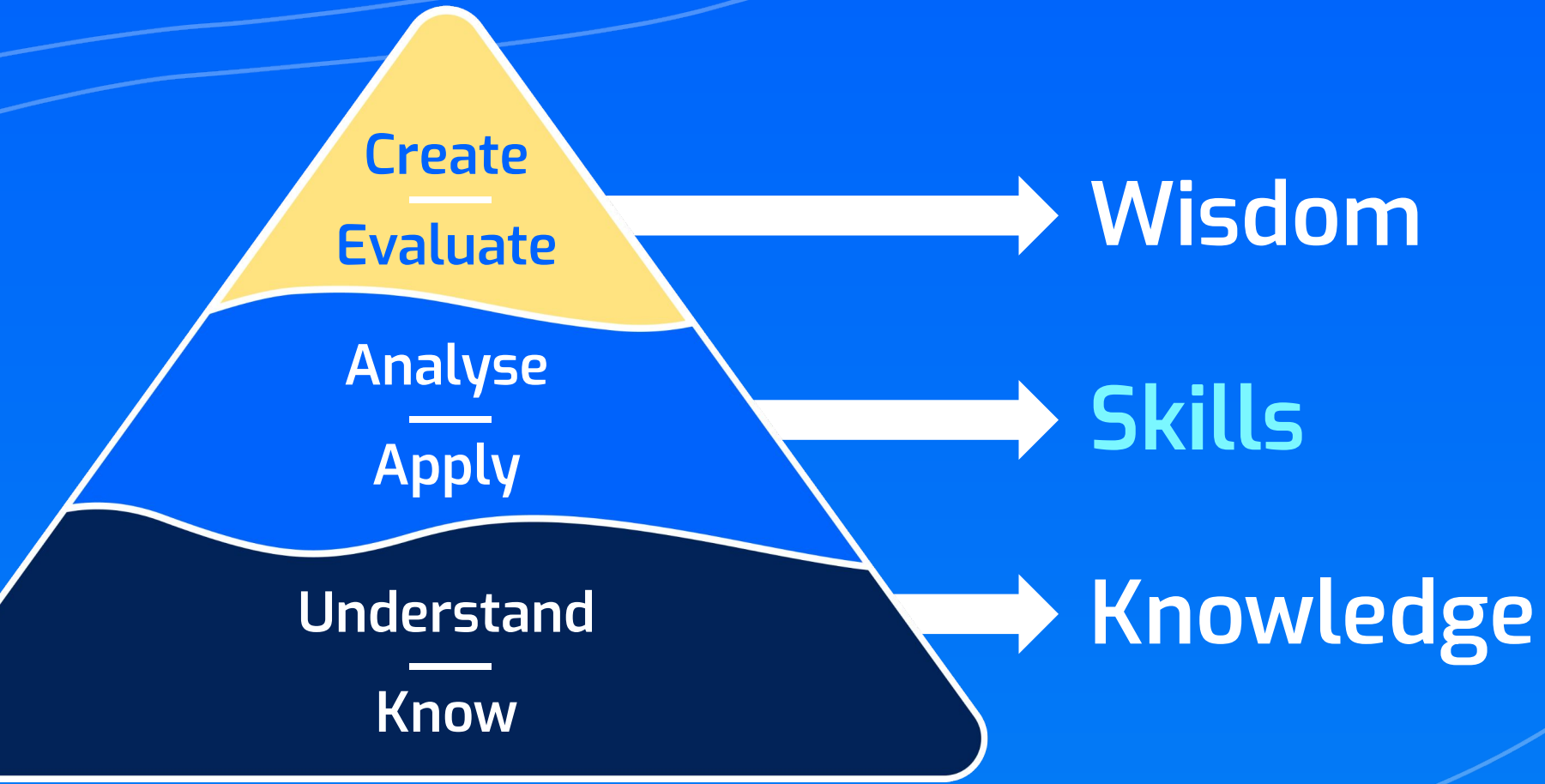
is the enemy of
learning



A **New** Model.

Knowledge | Skills | Wisdom







SOLID Open-Closed Principle

Knowledge

Know what the principle is and understand why it exists.

Skills

Being able to apply the principle and write code that conforms.

Wisdom

Evaluating software requirements and knowing when to ignore the principle.



Wisdom

”

A **stitch** in
time saves
nine

”

A poor
workman
blames his
tools

”

Haste makes
waste

“Move fast and break things”
in conservative orgs

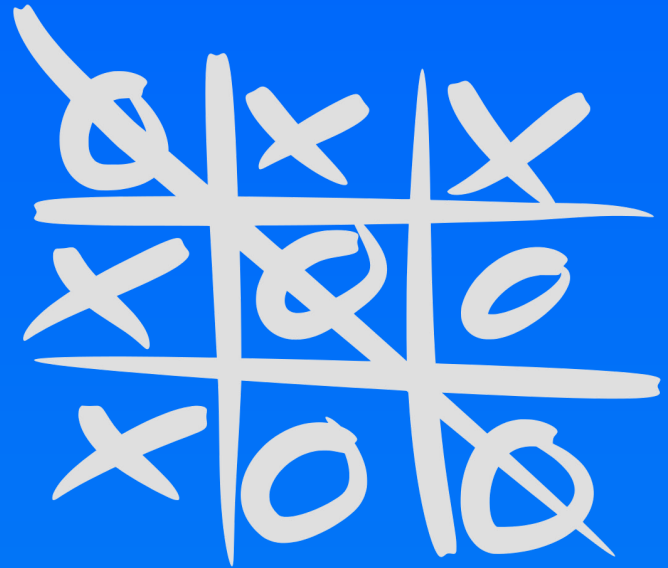
“Always use the right tool for the job” meaning # tools > # people

Spotify model for a tiny company

Scrum ceremonies because
“that’s just what you do”

“2 pizza teams” when pizza sizes vary...

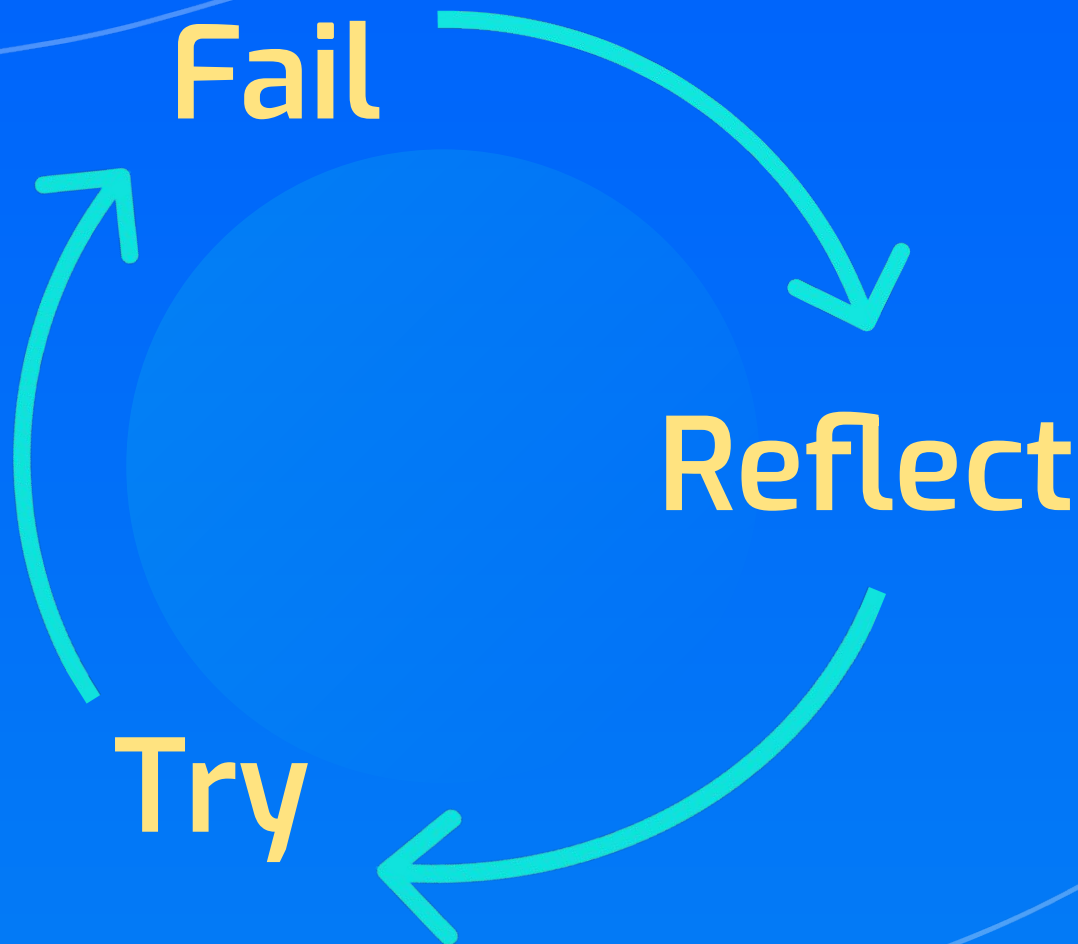
The Broken Game



The Wisdom Feedback Loop

Accelerate experience:
peer learning

Accelerate without
experience: simulation



In Machine Learning:



Exploration

VS



Exploitation

3

@Hywel Carver on Lead Dev Slack
@h_carver on Twitter



skillerwhale.com

Image Credits

"Settlers of Catan" by [eIPadawan](#) is licensed under [CC BY-SA 2.0](#).

<https://imgflip.com/>

"No More Wheat" by [derekbruff](#) is licensed under [CC BY-NC 2.0](#).

Memegenerator.net