The robots are coming!

An analysis of Creativity In the workplace



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Actually, the robots have already arrived





STREET, STREET

to machines and technology is not new

The loss of jobs

Growing loss of service industry

This is hot the end of work



Outdated psychology for an outdated workplace?

What does it mean to be creative? What does it mean to be creative?

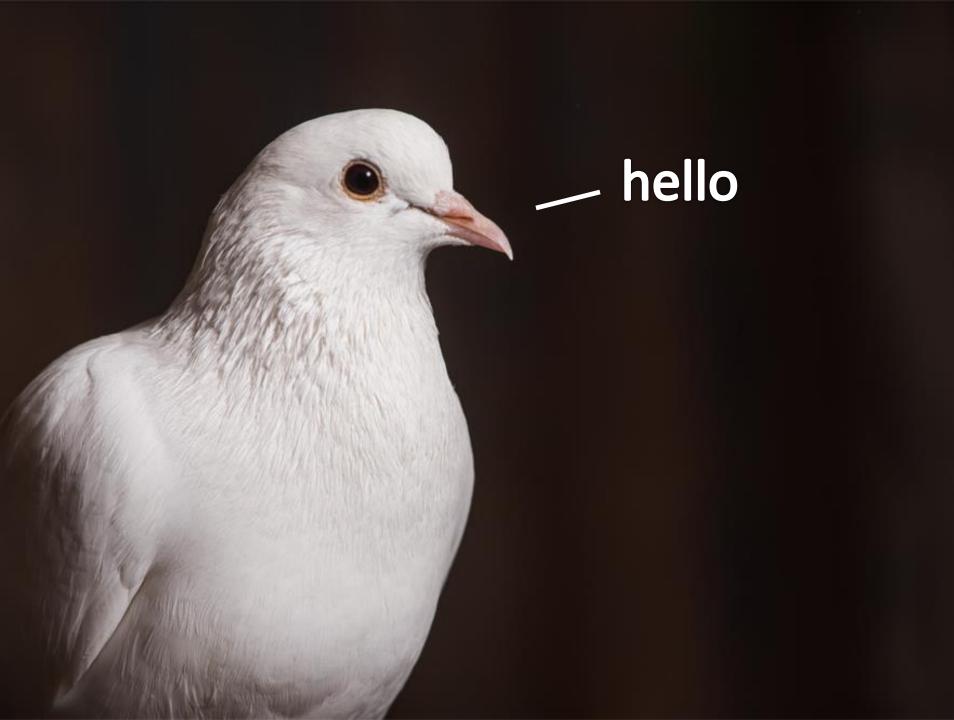
Novelty + Value

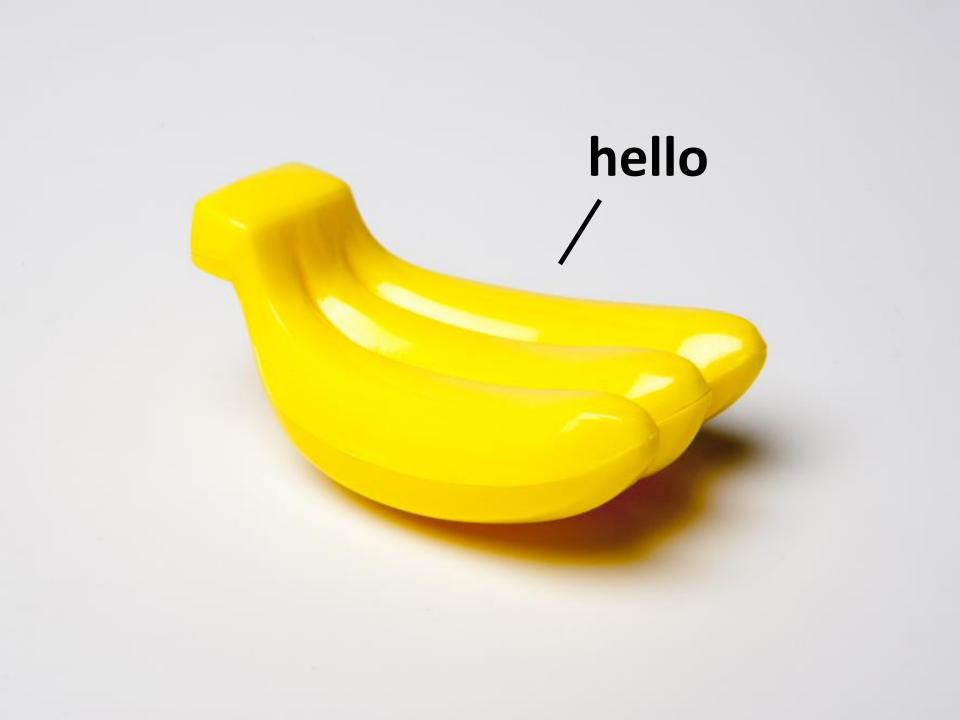
Some forms of valued novelty are not particularly confusing

Importance of fluency for creative action

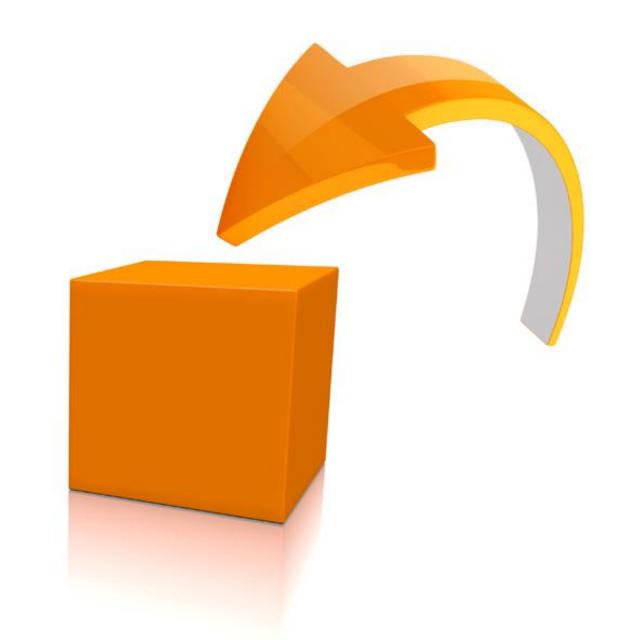


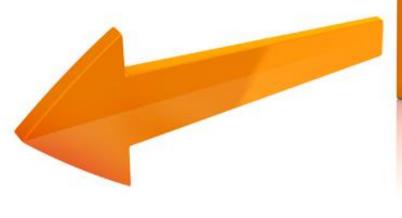
Classic approach to creativity

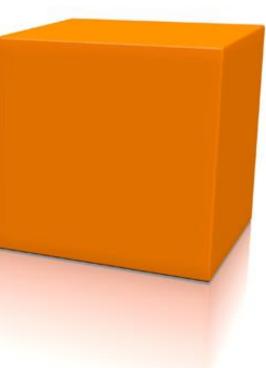




I'm a box. I don't speak.







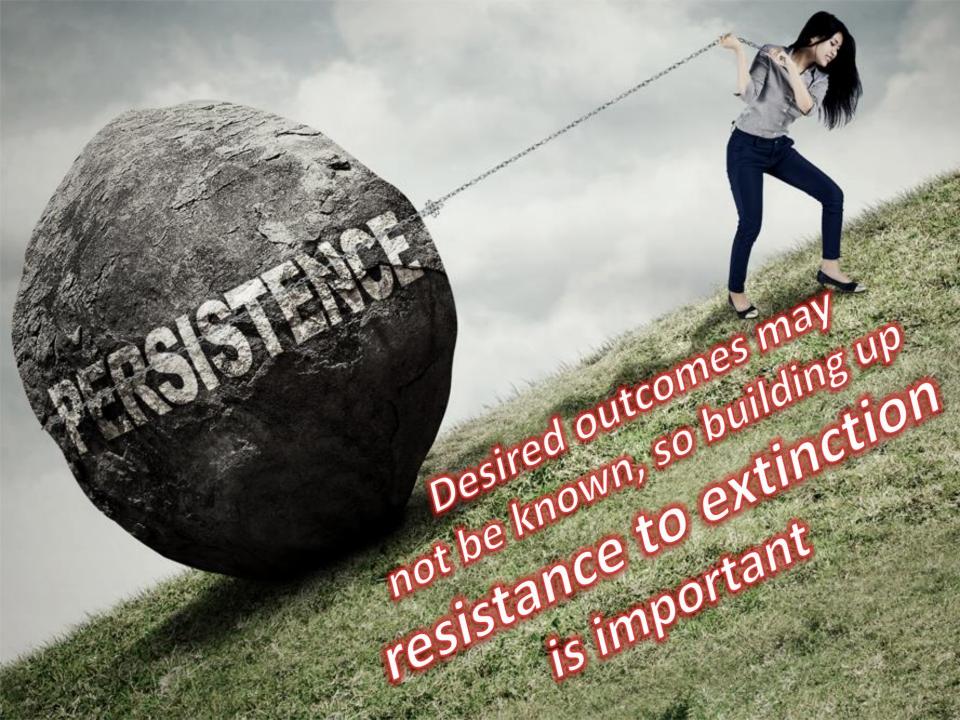
Pecking Climbing Pushing

1. Teach relevant skills until fluency 2. Environment that demands new combination 3. Rewards for creative solution

Creativity is just connecting things. When you ask creative people how they did something, they feel a little guilty because they didn't really do it, they just saw something. It seemed obvious to them after a while.

That's because they were able to connect experiences they've had and synthesize new things. And the reason they were able to do that was that they've had more experiences or they have thought more about their experiences than other people. - Steve Jobs

Changing current environments to evoke successful novel performance



Taking advantage of resurgence

Like any other dimension of behavior

we can reinforce **novelty**

Select for employees with skills suspected to be relevant to innovations



Rearrange

environment for

novel sources of

stimulus control

Intrinsic motivation is unlikely to be sufficient

Failures will be

common, so

minimize aversive

outcomes



Explicitly target

novelty or

creativity for

reinforcement

Pair creative action with reinforcing stimuli

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Thank You

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INSTRUCTIONAL DESIGN AND MANAGEMENT LAB

