







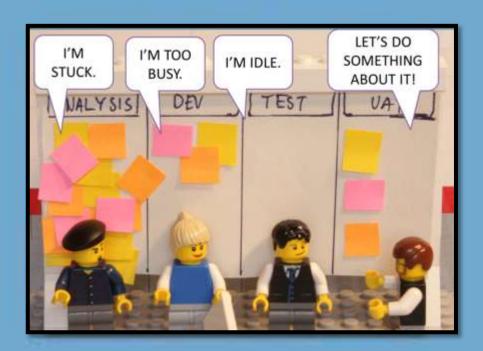






KANBAN

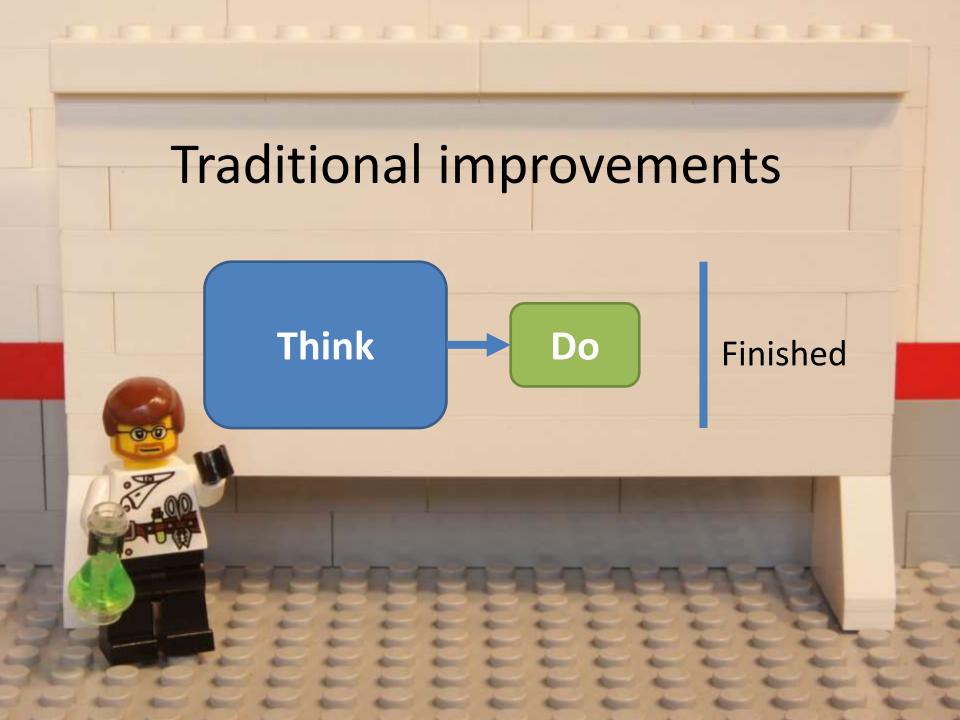
Successful Evolutionary Change for Your Technology Business

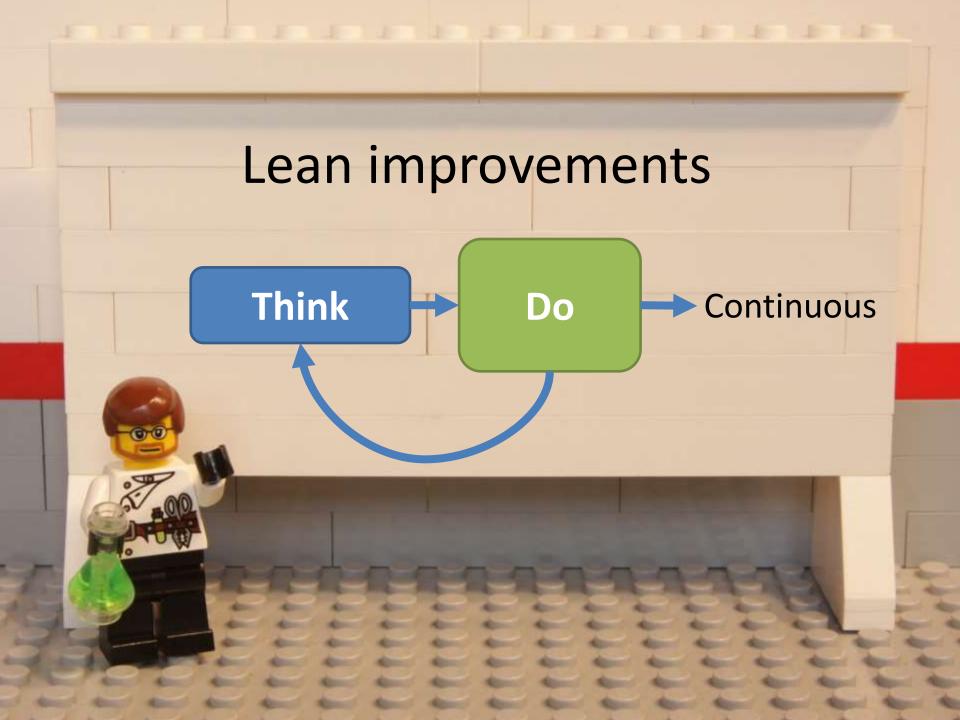


David J. Anderson

Force and the Third III is Automore

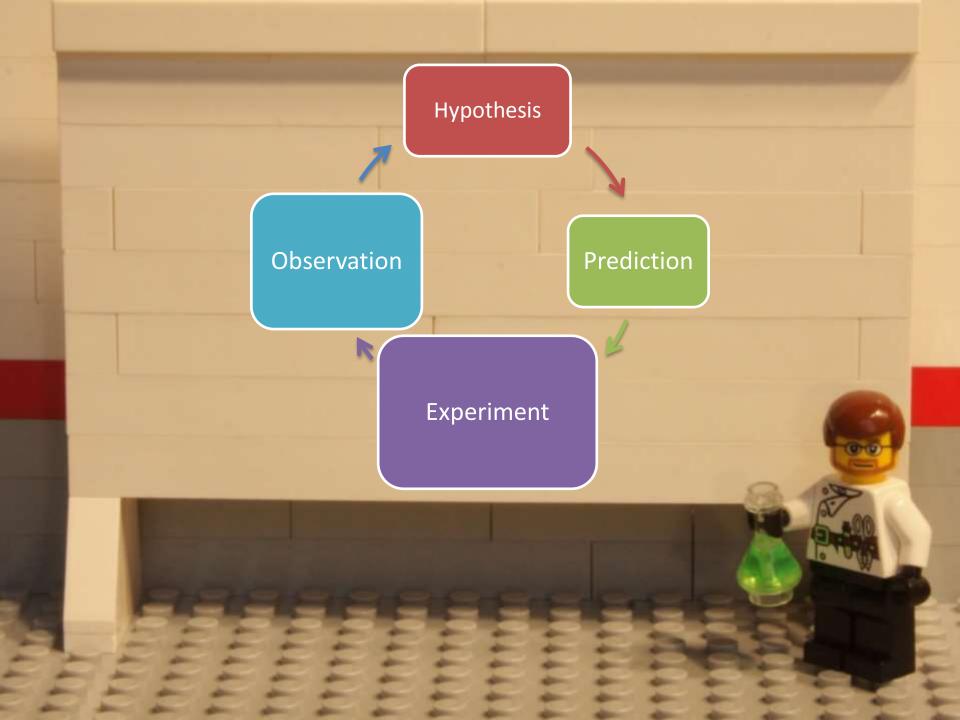


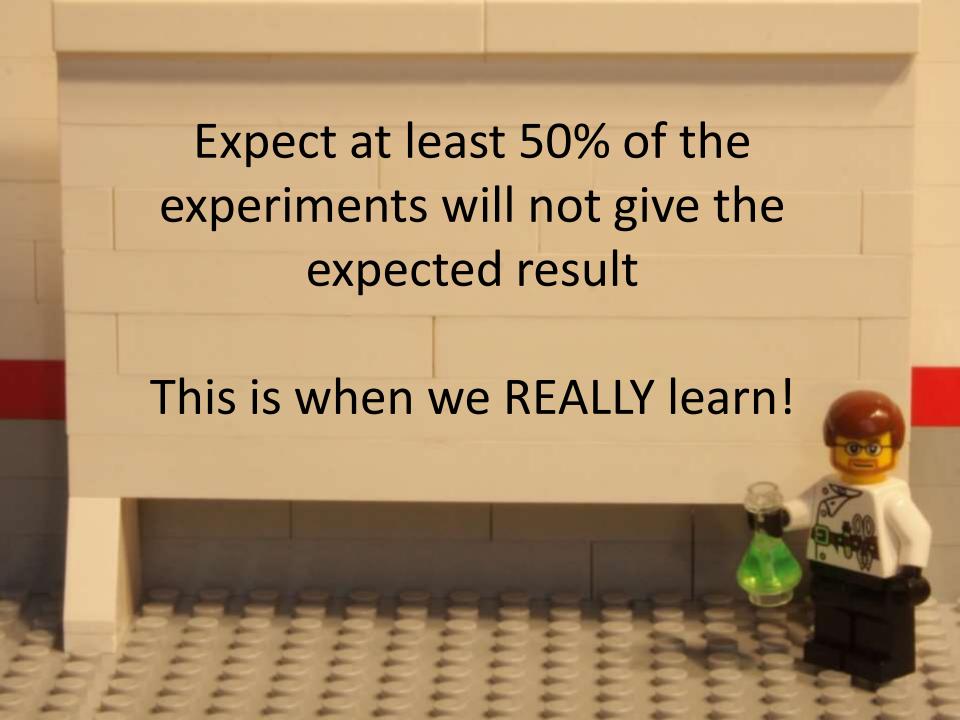


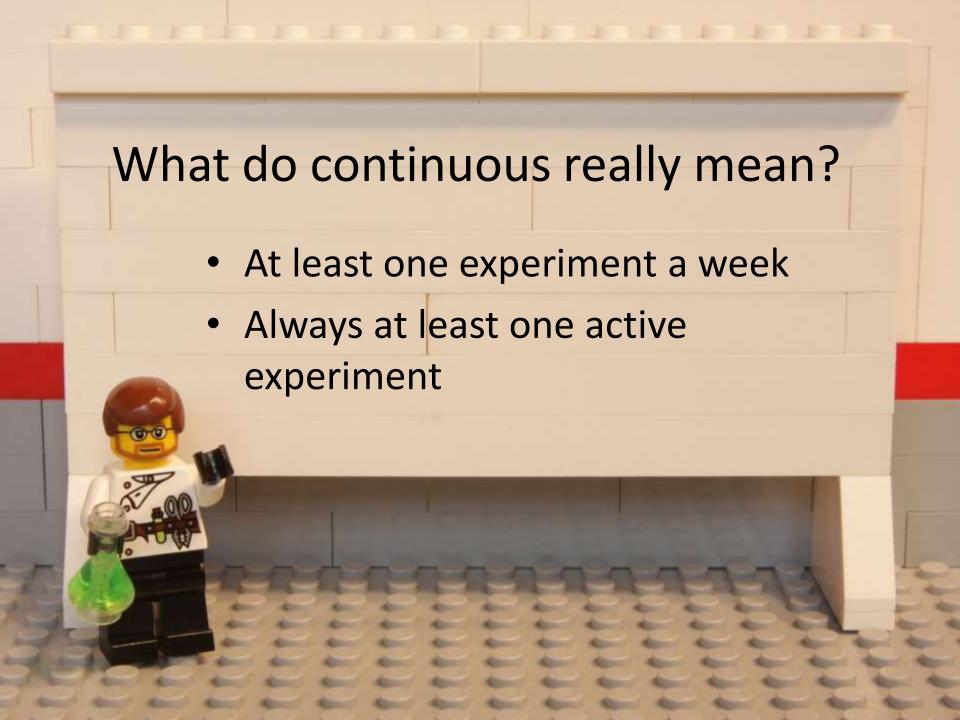


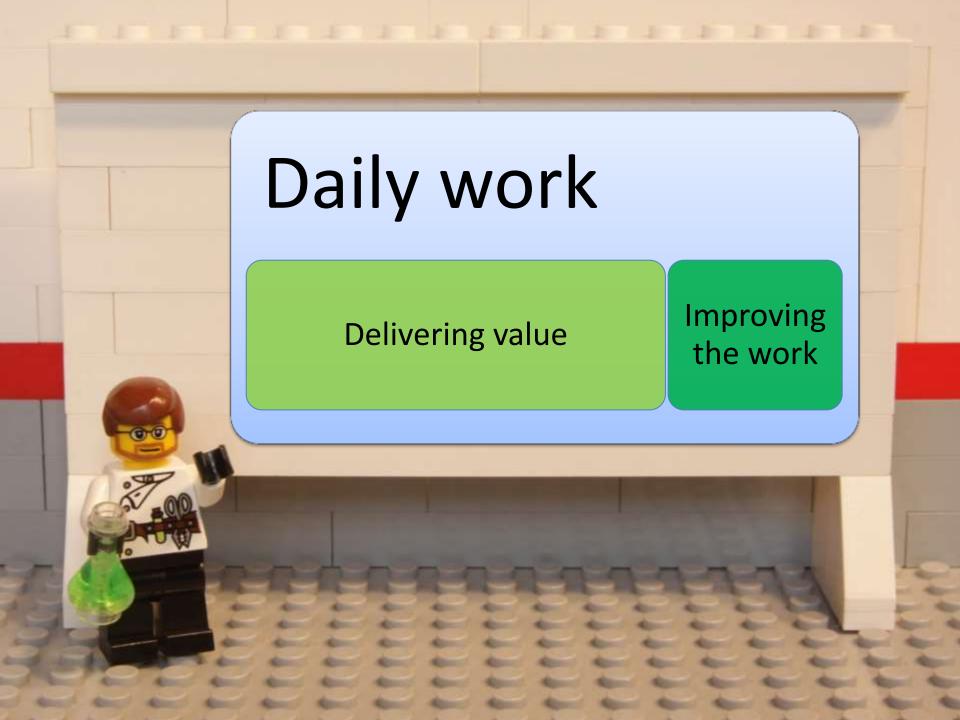
Improvements are experiments











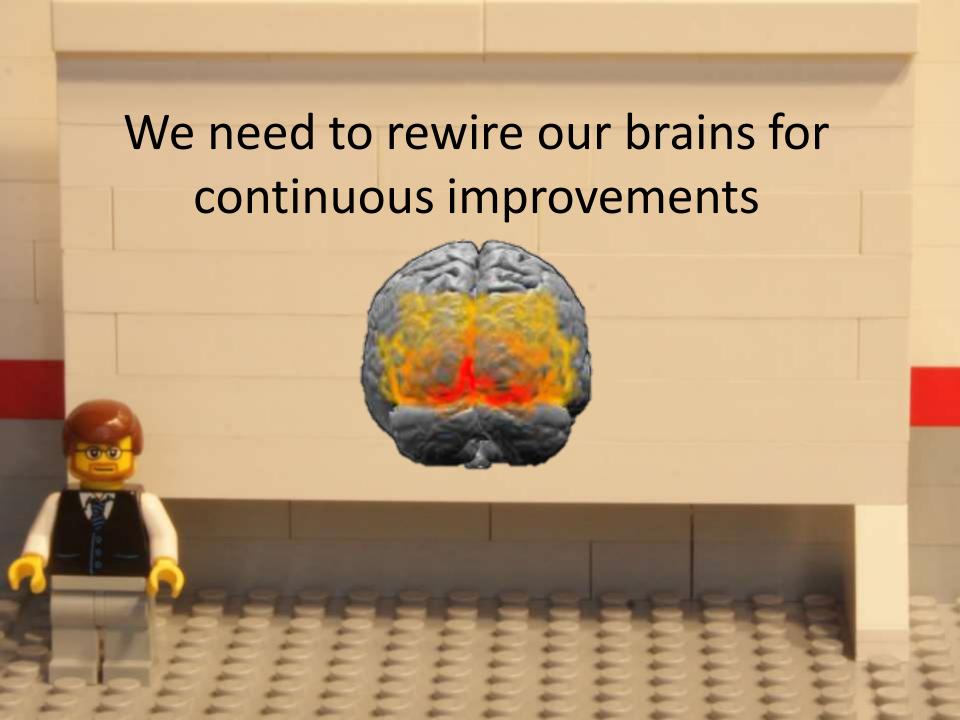


Let's do an experiment!

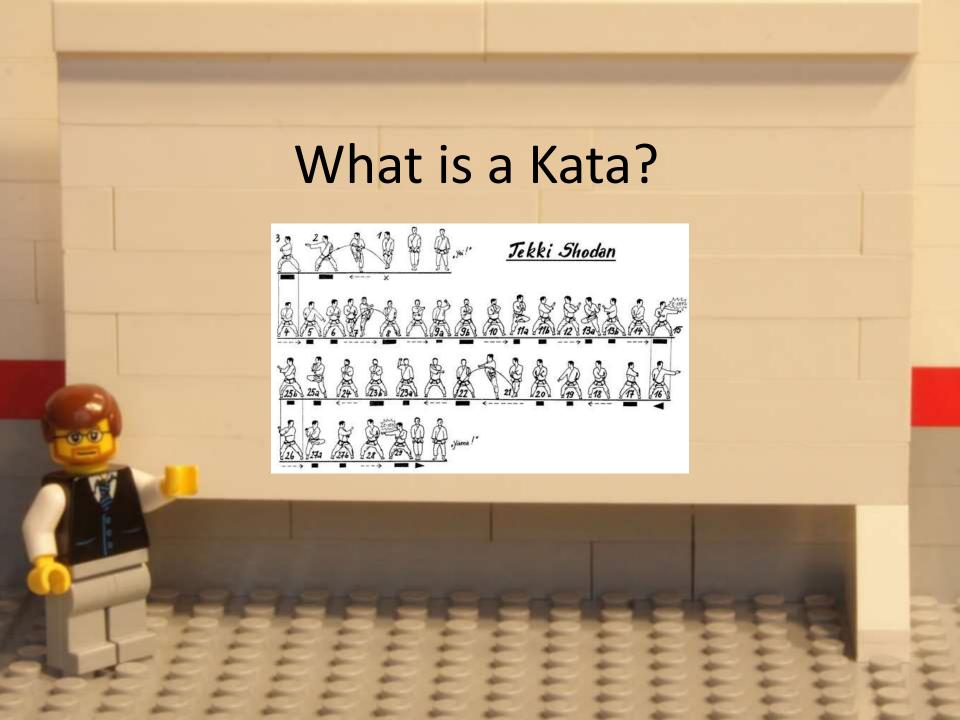


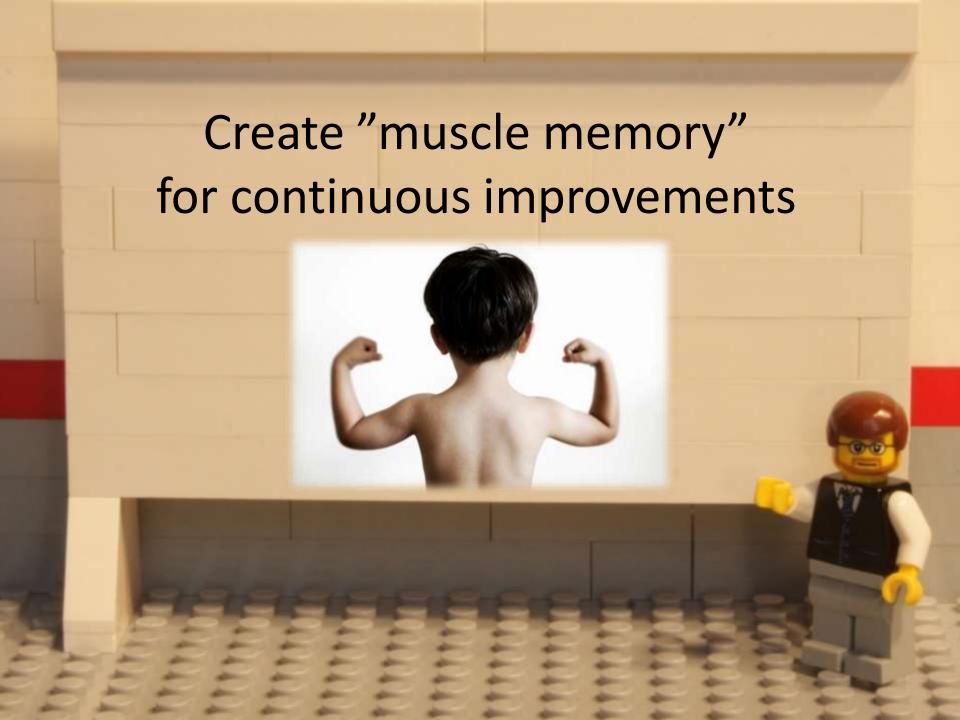












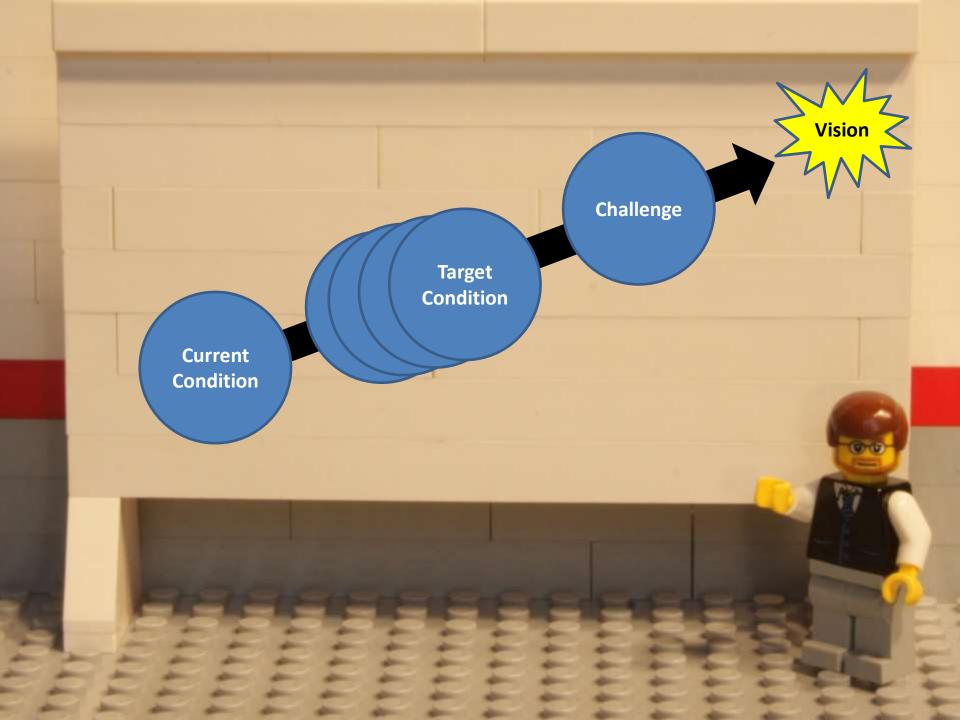


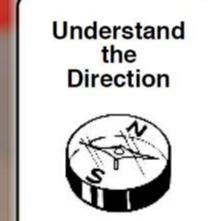
Improvement Kata

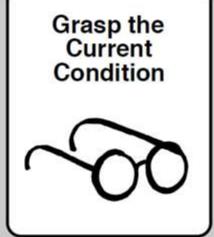


Coaching Kata





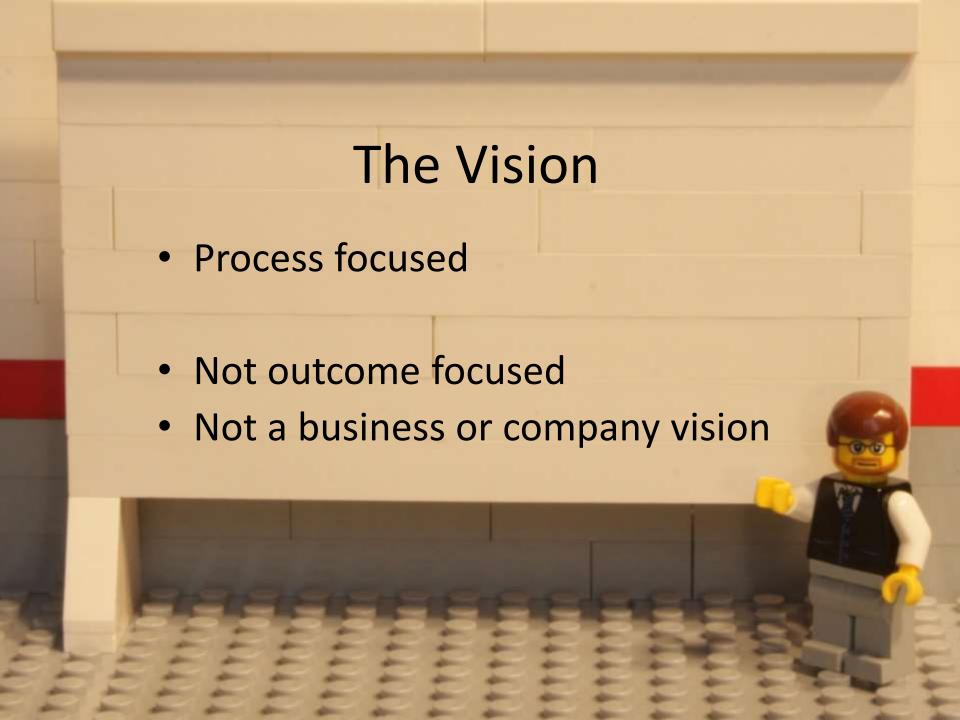


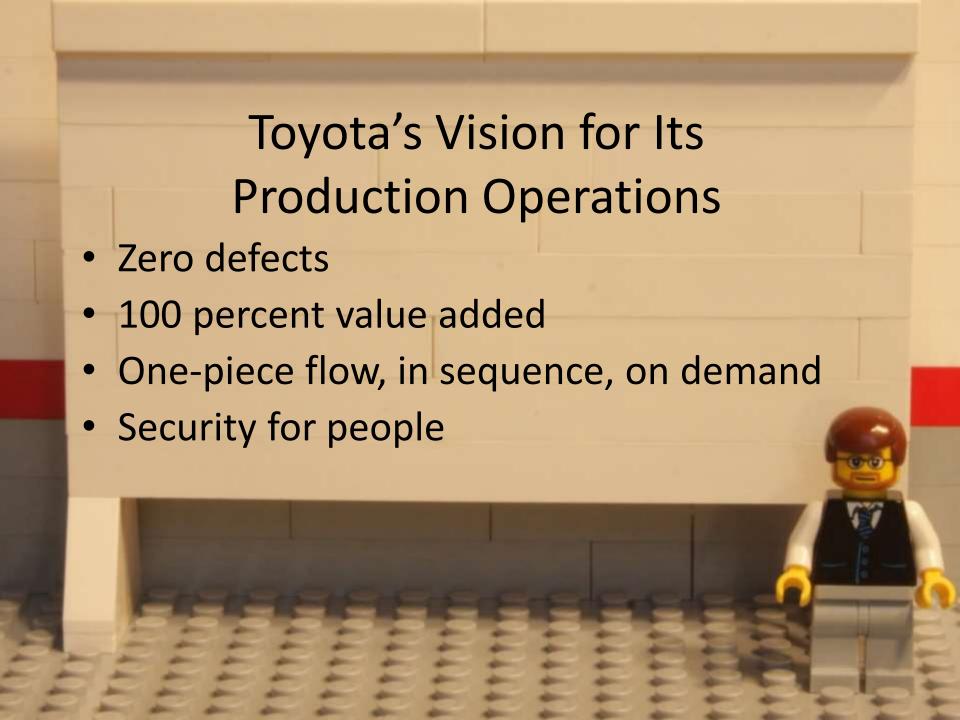












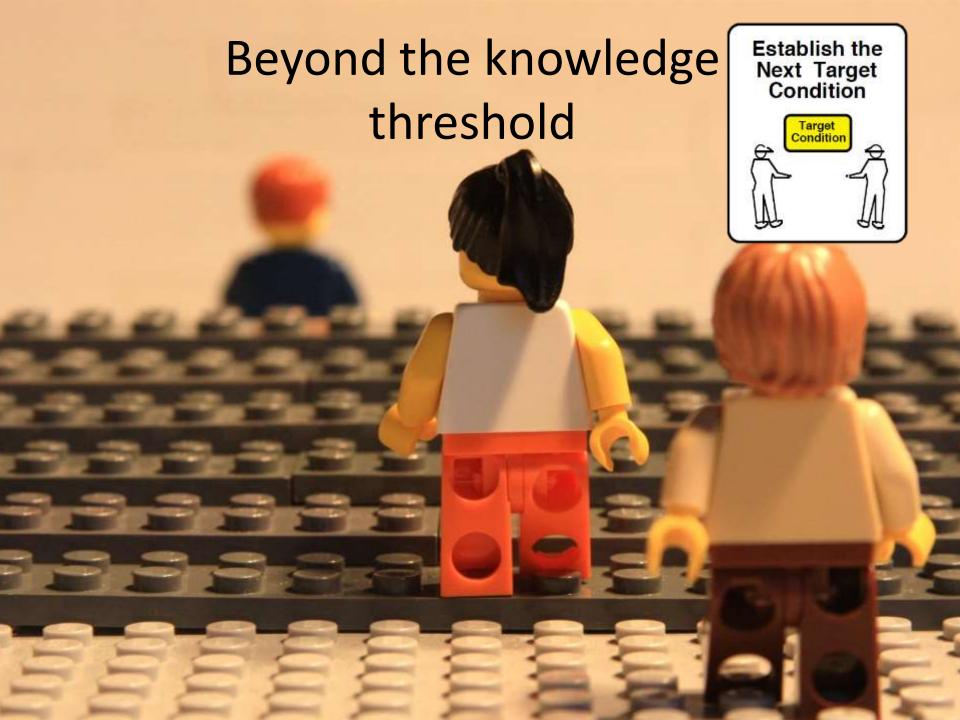


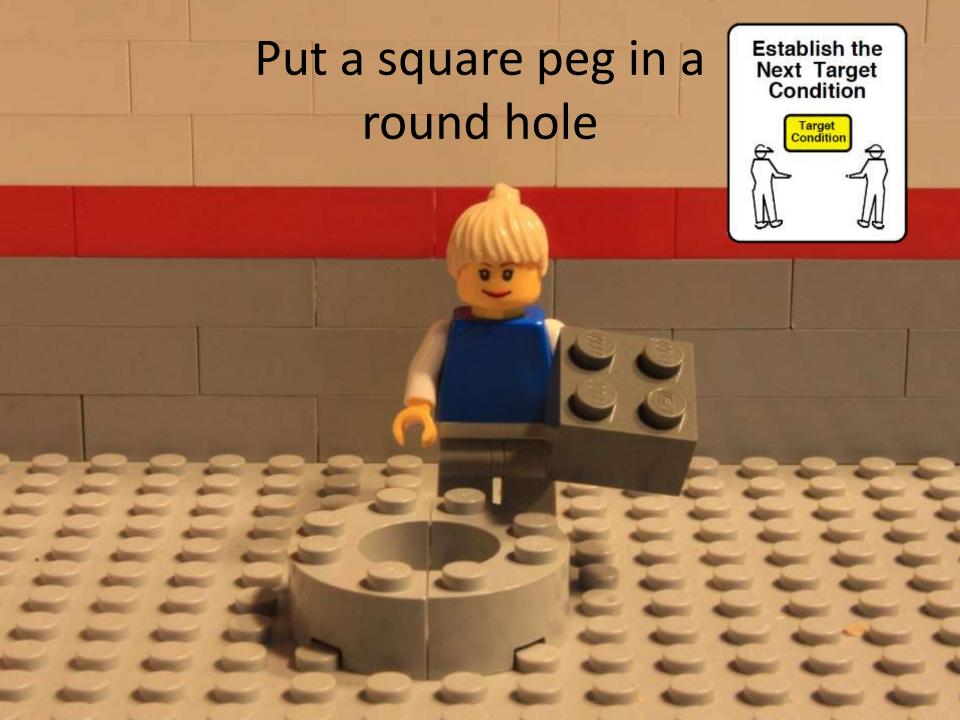




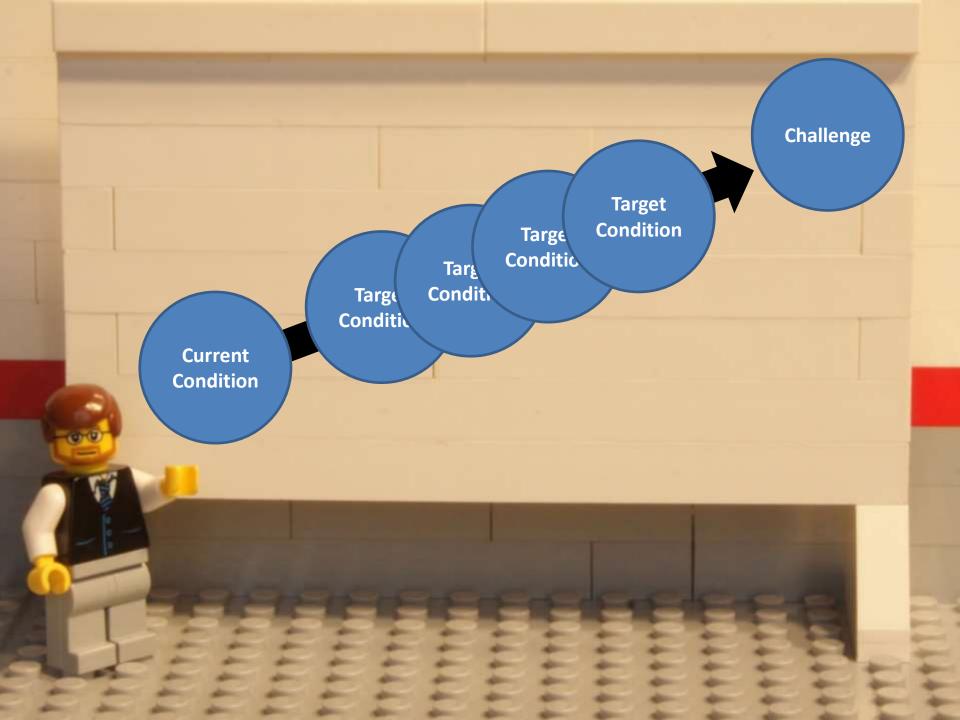


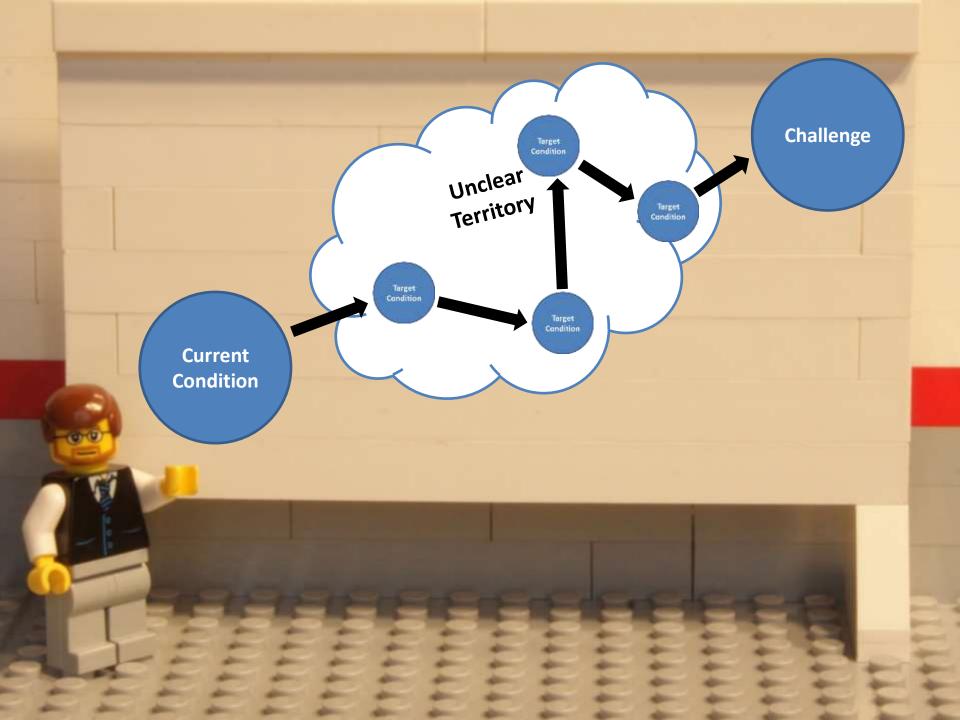


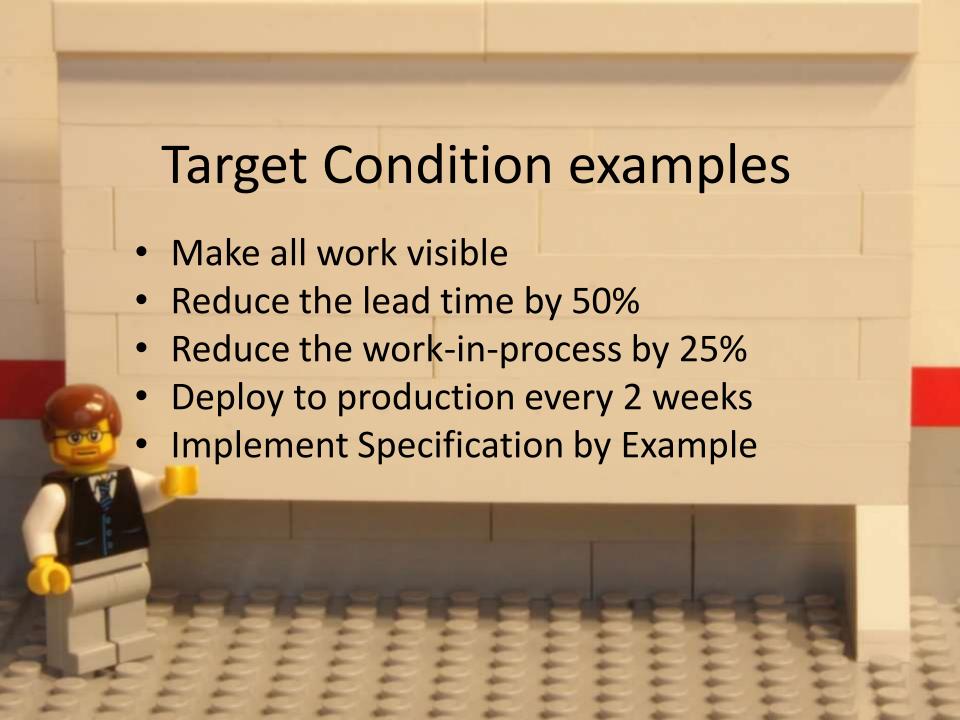




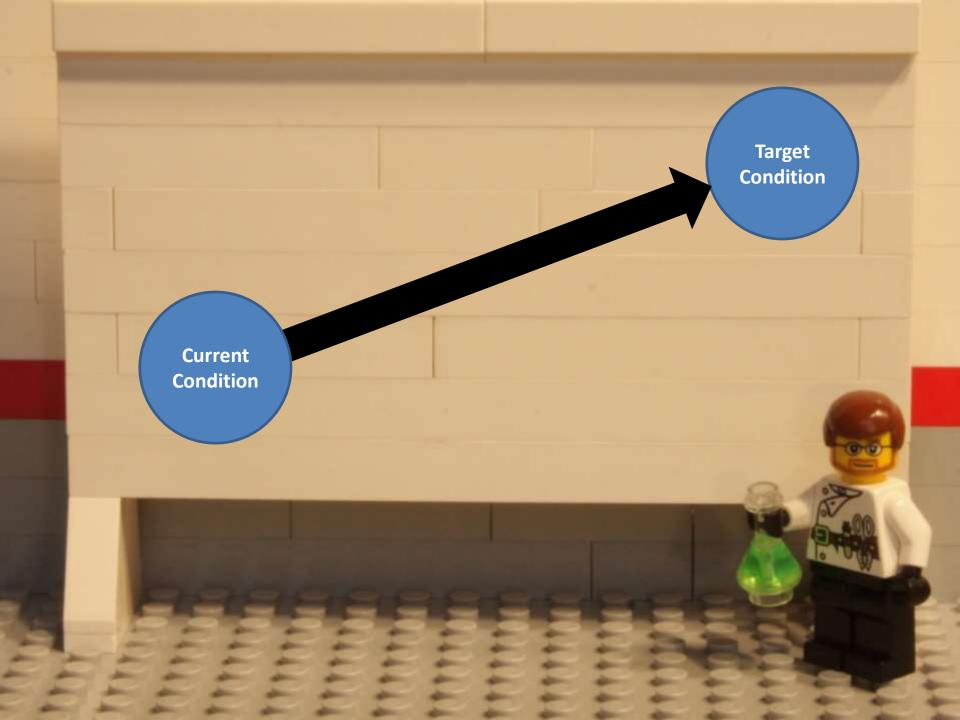


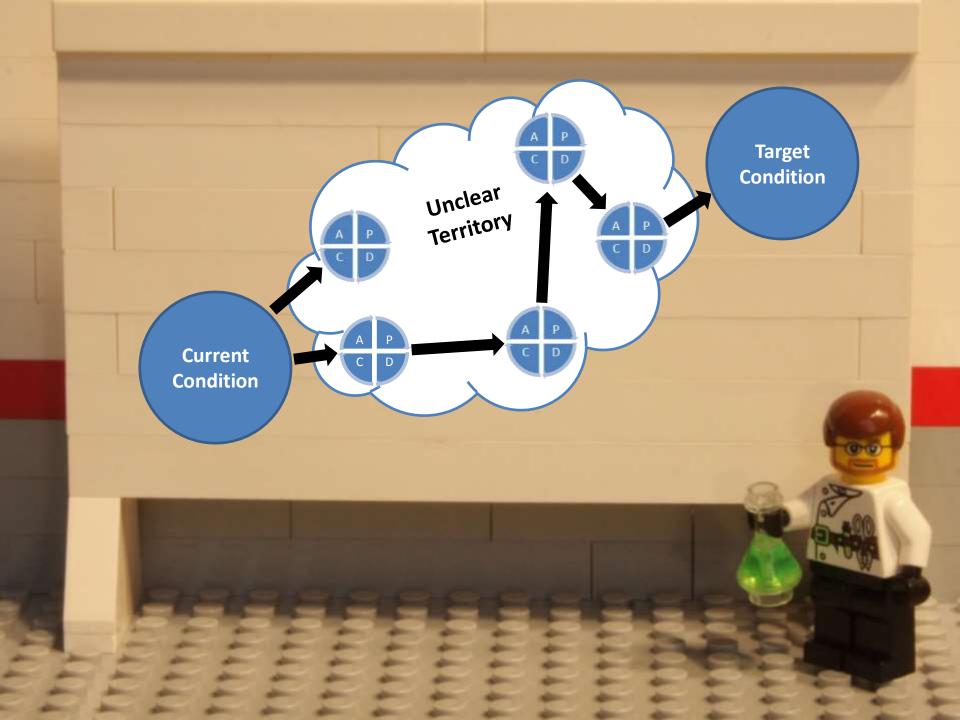














Improvement Kata

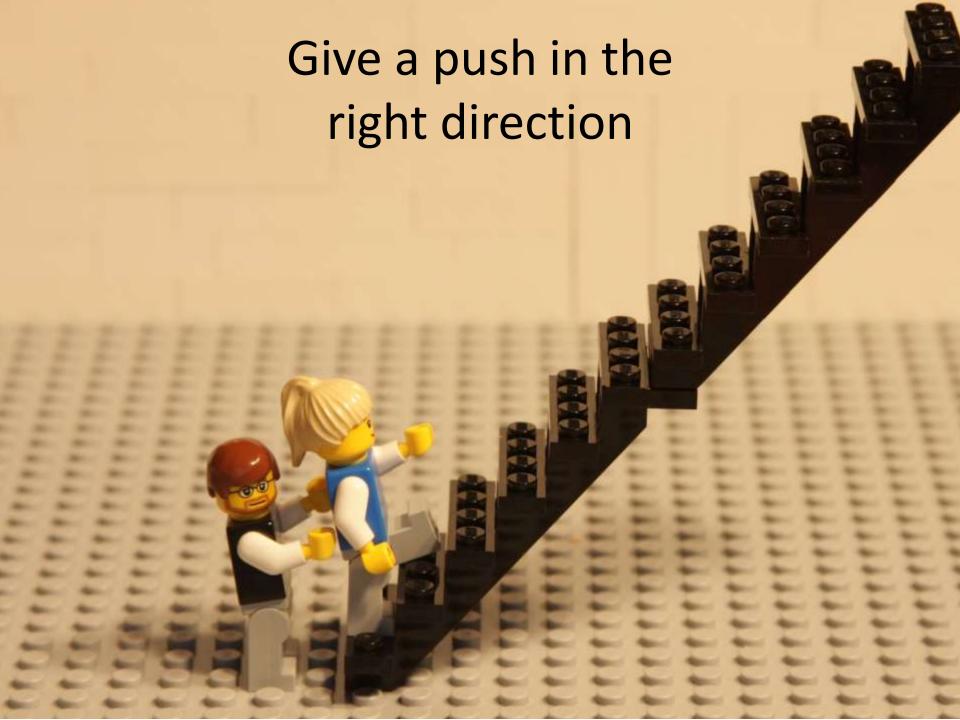


Coaching Kata









COACHING KATA

The Five Questions

- 1) What is the Target Condition?
- 2) What is the Actual Condition now?

----- (Turn Card Over)----->

- 3) What Obstacles do you think are preventing you from reaching the target condition? Which *one* are you addressing now?
- 4) What is your Next Step? (next PDCA / experiment) What do you expect?
- 5) When can we go and see what we Have Learned from taking that step?

"You'll often work on the same obstacle for several PDCA cycles

The Improvement Kata Handbook is Copyright © 2012 by Mike Rother http://www-personal.umich.edu/~mrother/Materials_to_Download.html

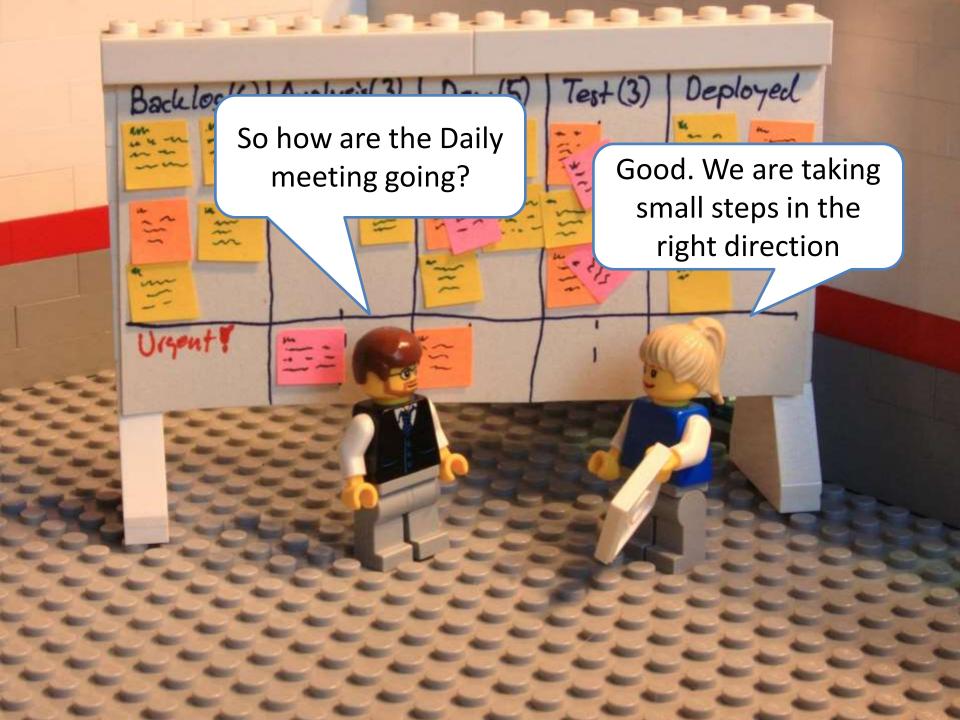
Reflect on the Last Step Taken

Because you don't actually know what the result of a step will be!

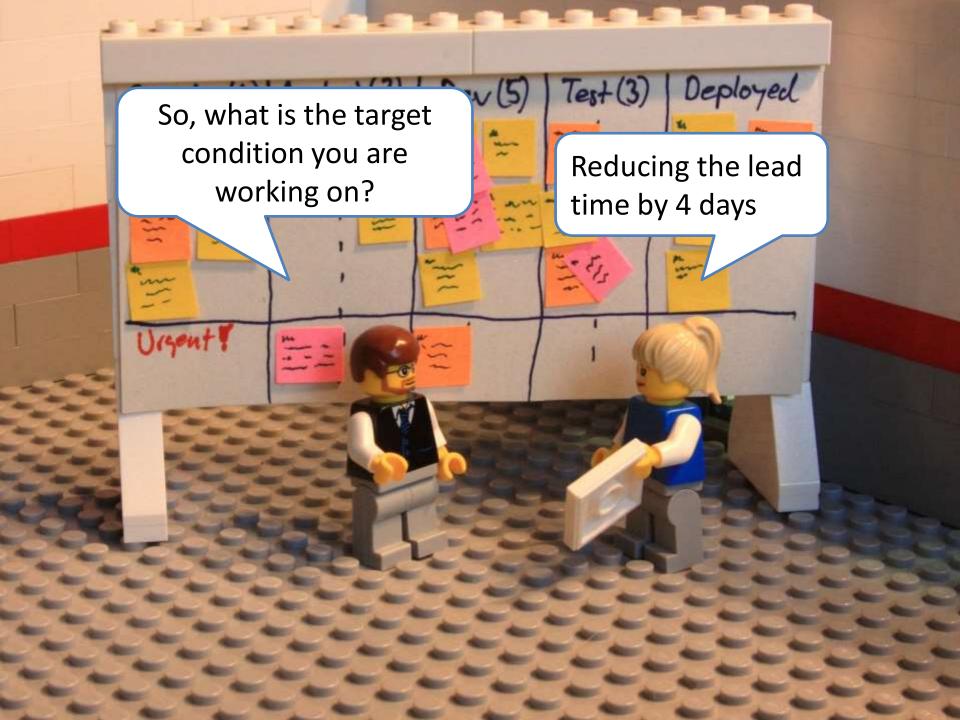
- What was your Last Step?
- What did you Expect?
- 3) What Actually Happened?
- What did you Learn?

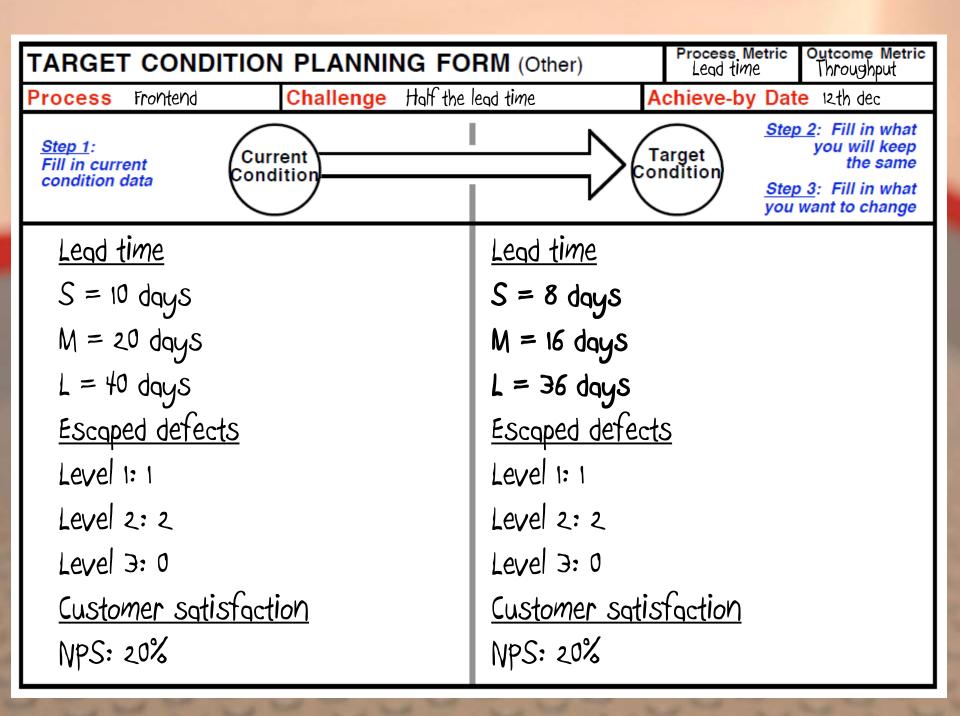
-----> Return

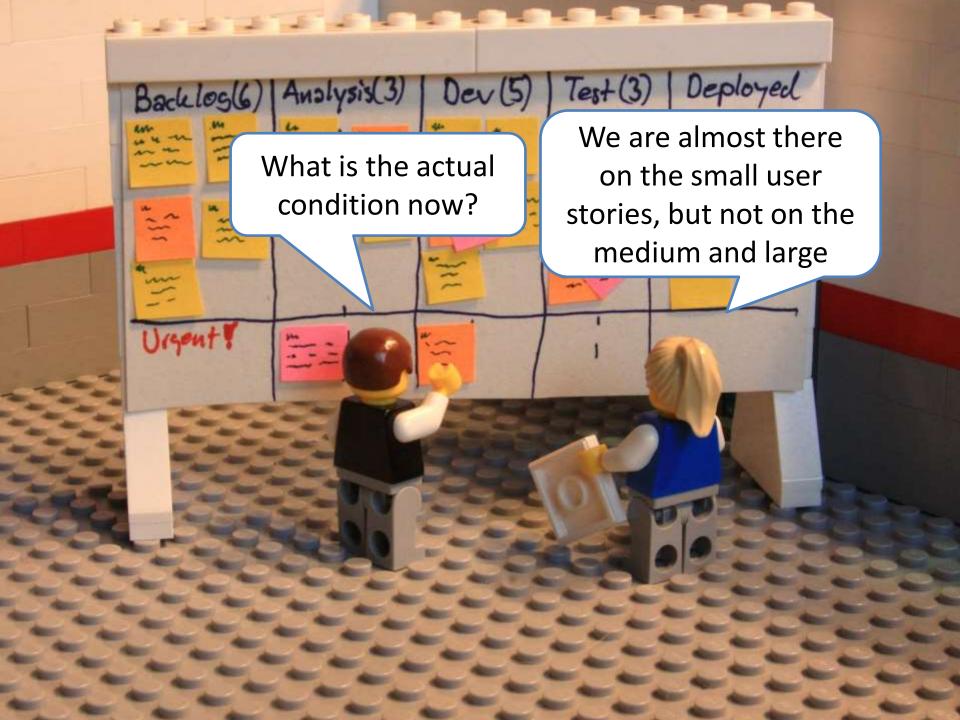
Toyota Kata in practice

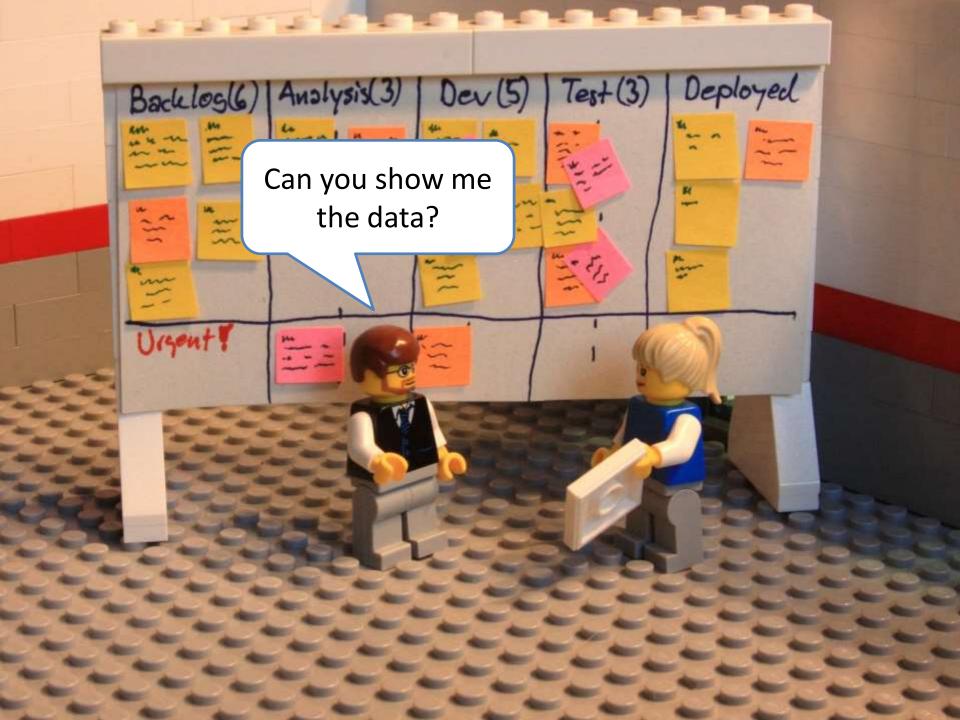


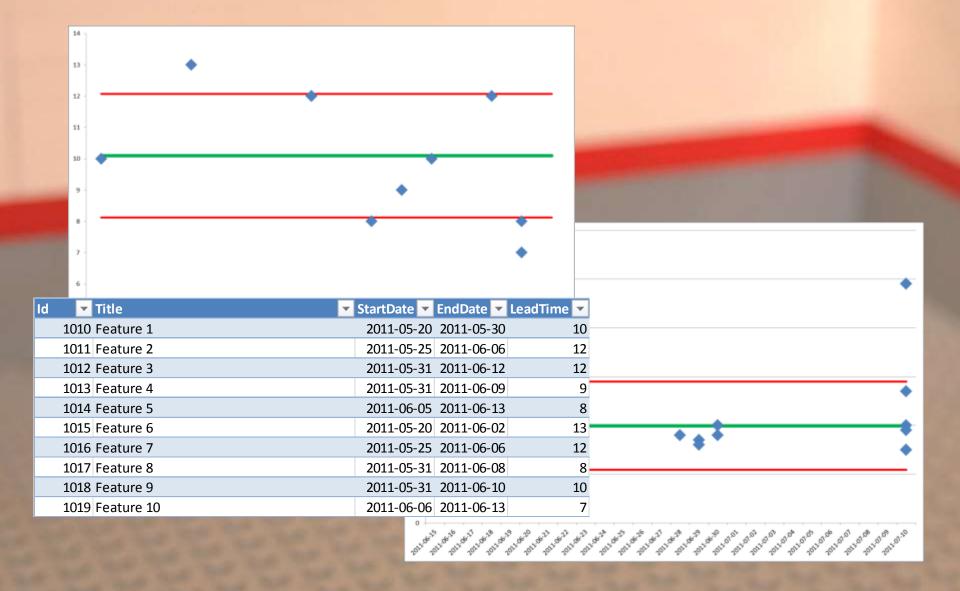


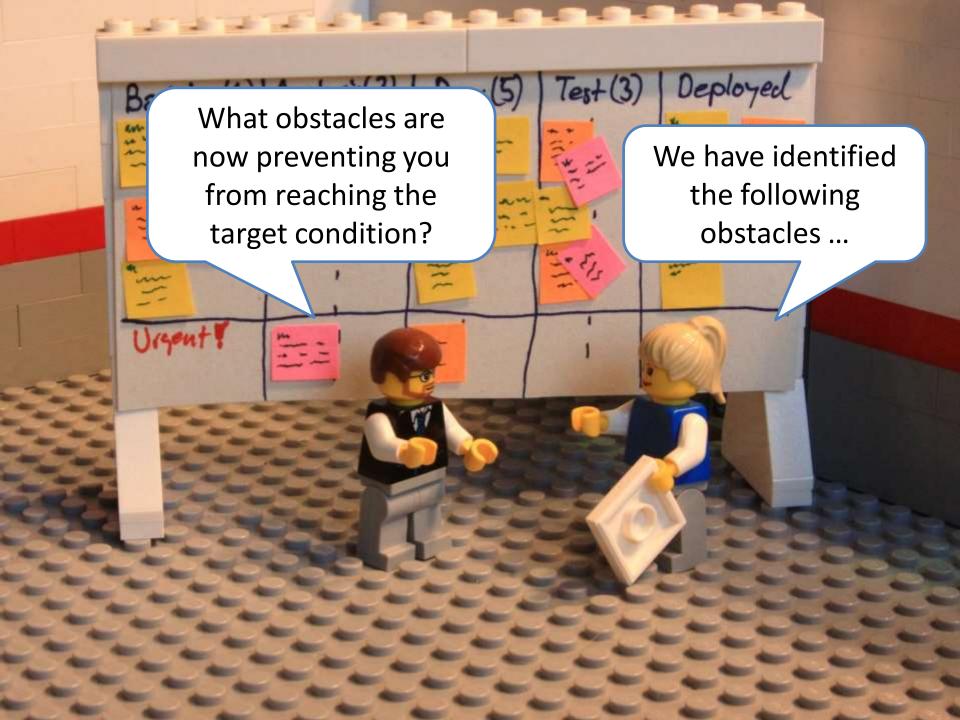


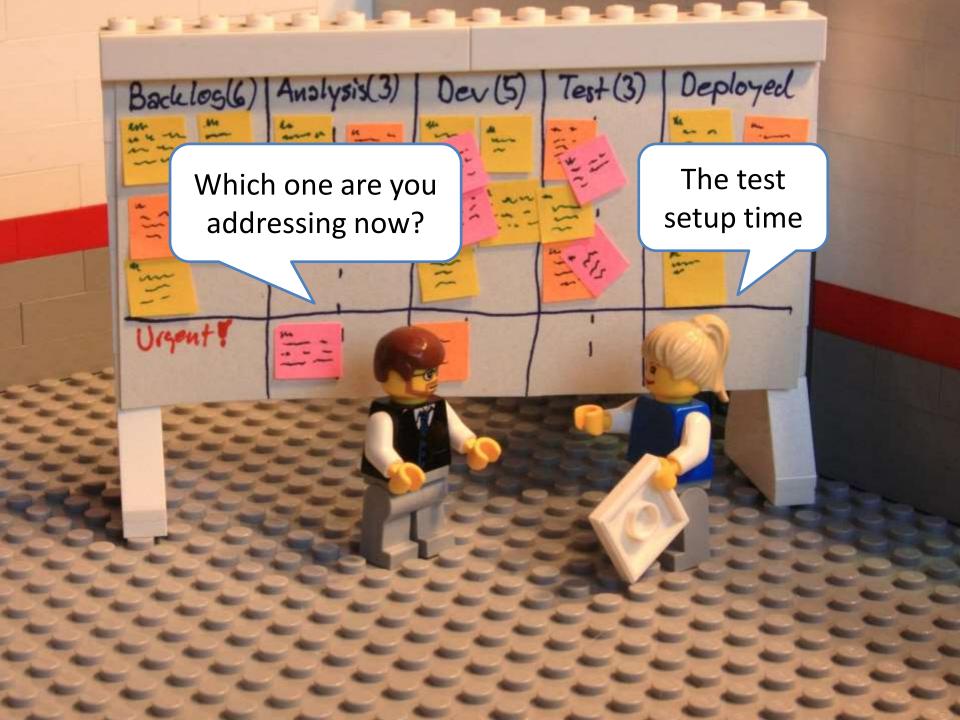


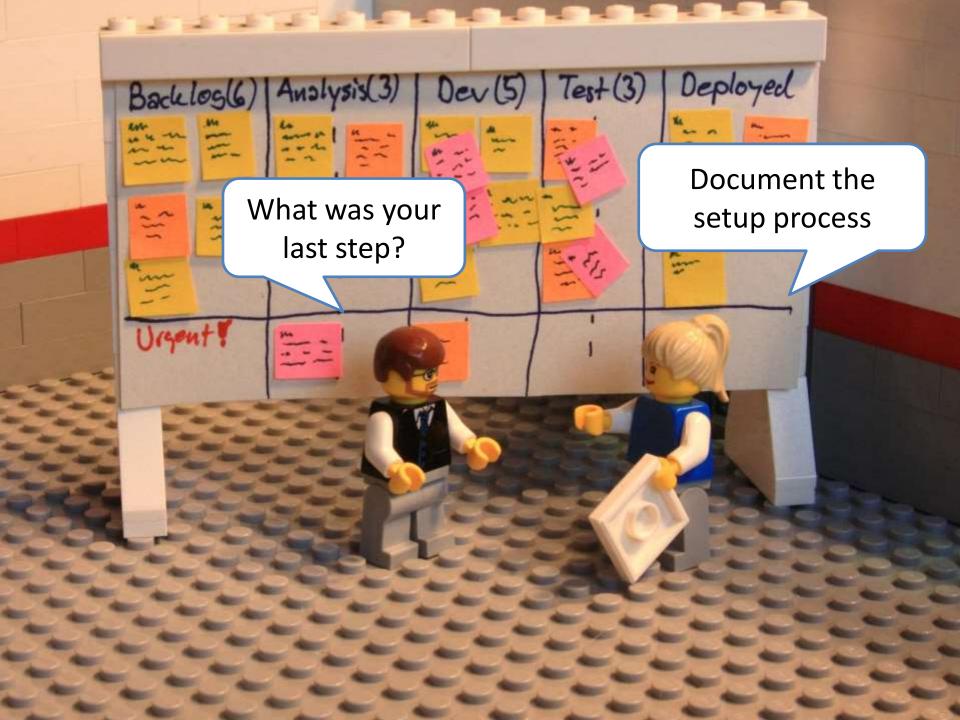


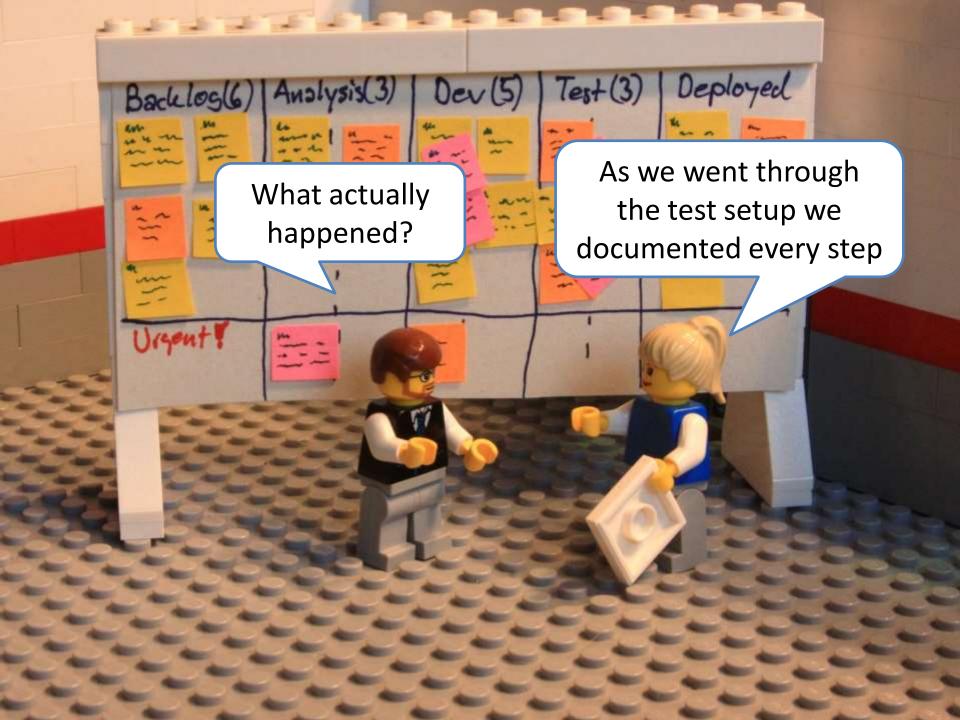


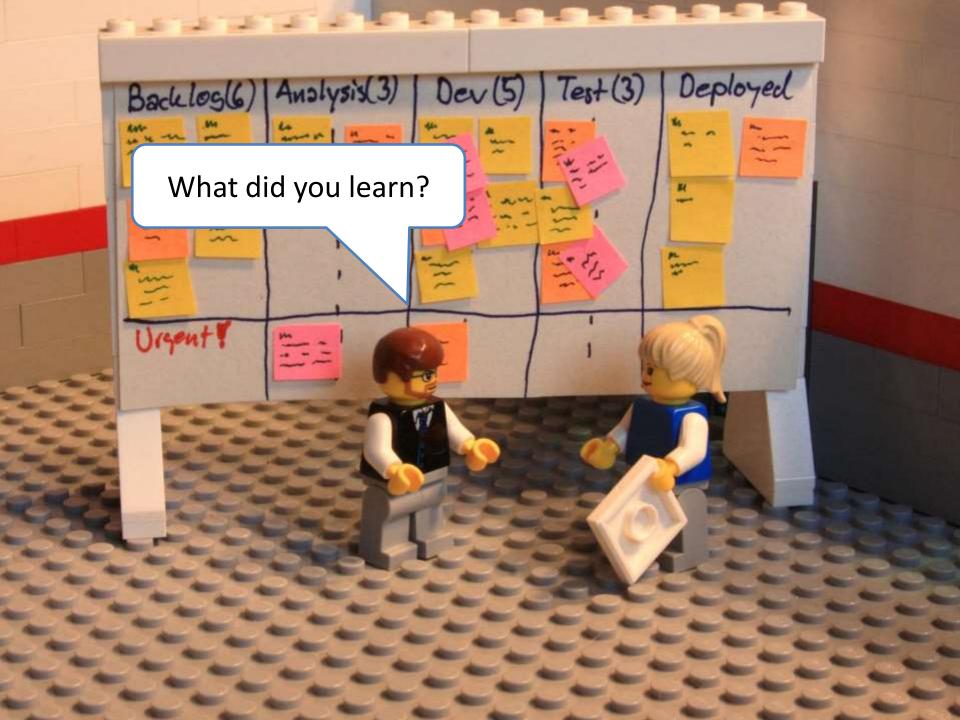




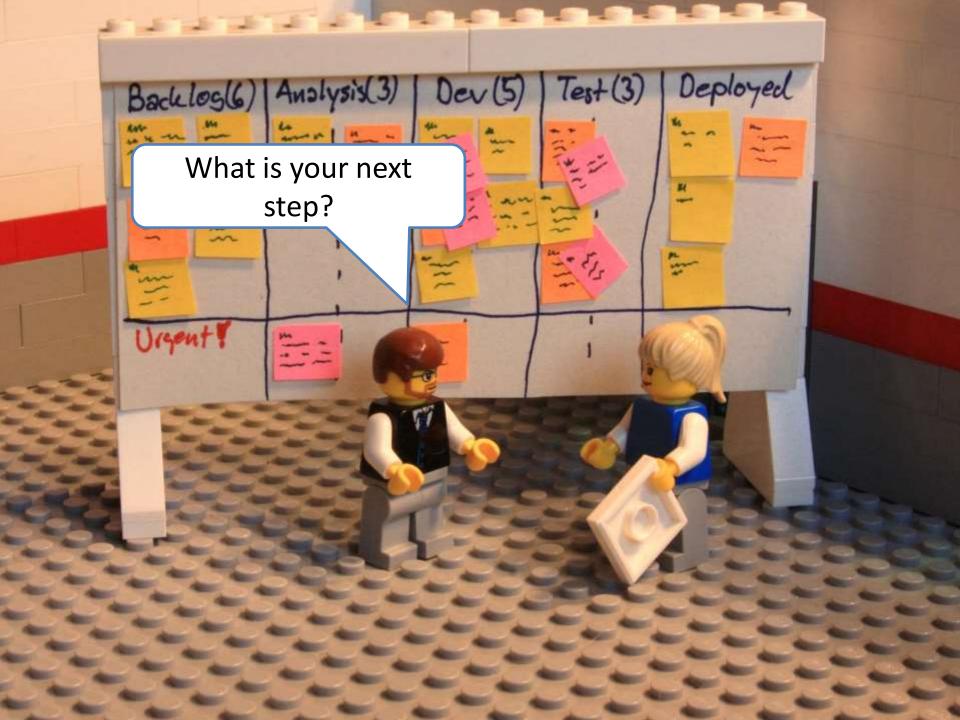




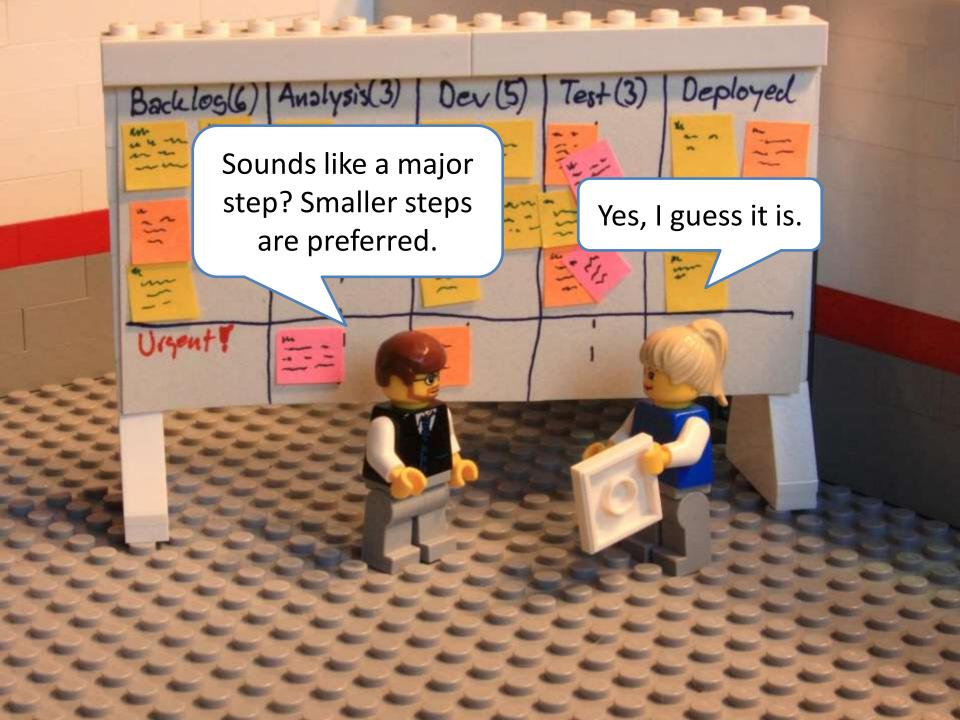


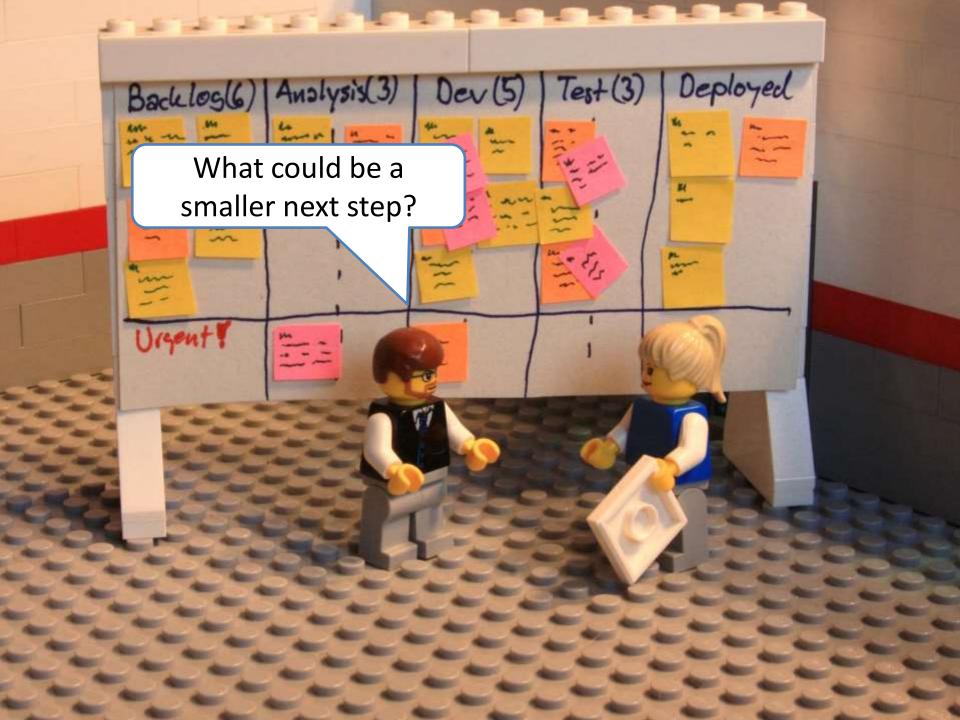


PDCA CYCLES RECORD (Each row = one experiment)							
Date: 5th Dec					Process Lead time Metric		
Process: Frontend							
<u>Step</u>	What do you expect?			<u>R</u>	<u>esult</u>	Observe closely	What We Learned
Document the setup process	We expect to understand the process better	e		mar	•	are done n if they can	Many of the steps can be automated with small changes to the current setup process
		Coaching Cycle	EXPERIMENT				
		Co	E)				



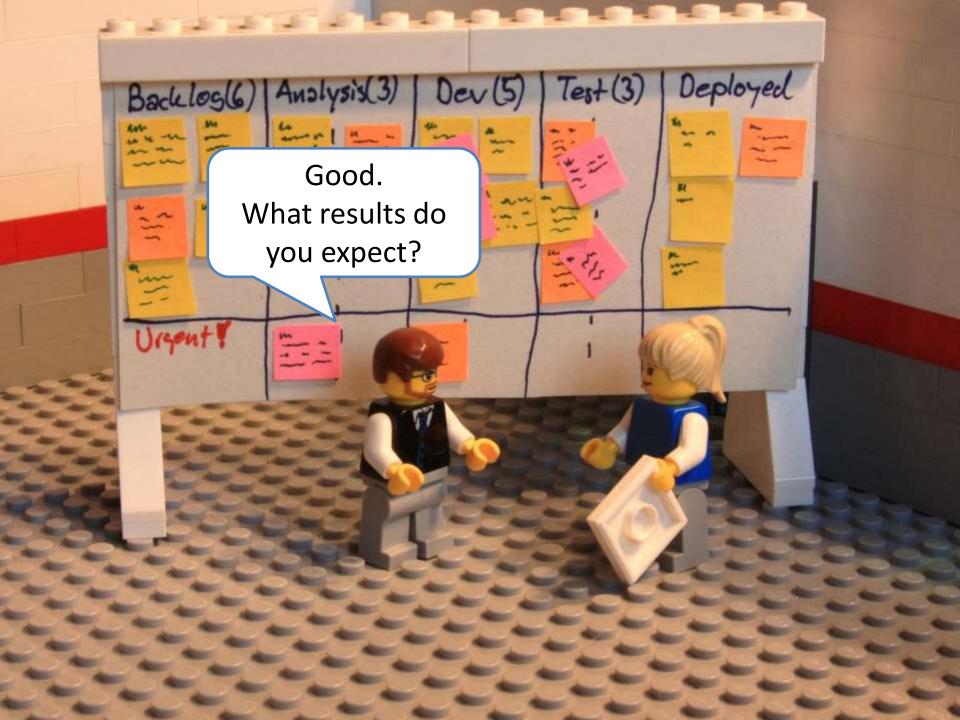
PDCA CYCLES RECORD (Each row = one experiment)									
Date: 5th Dec						Process Lead time			
Process: Frontend						Metric			
<u>Step</u>	What do you expect?			R	<u>esult</u>	Observe closely	What We Learned		
Document the setup process	We expect to understand the process better	e		mar	y steps o Jually eve Jutomated	n if they can	Many of the steps can be automated with small changes to the current setup process		
Automating large parts of the test setup		Coaching Cycle	EXPERIMENT						



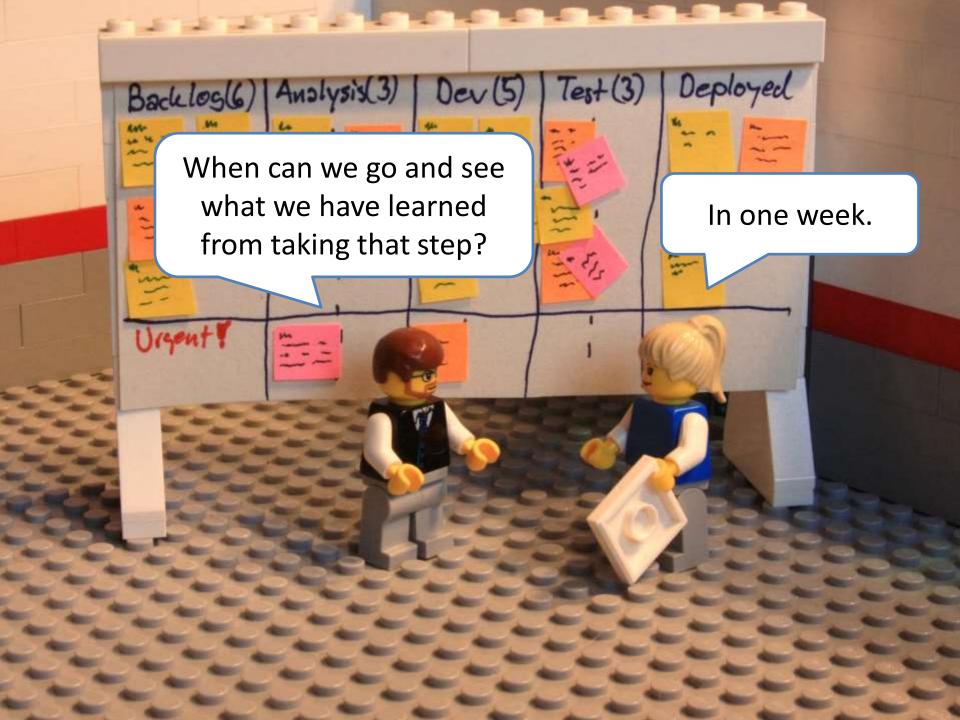


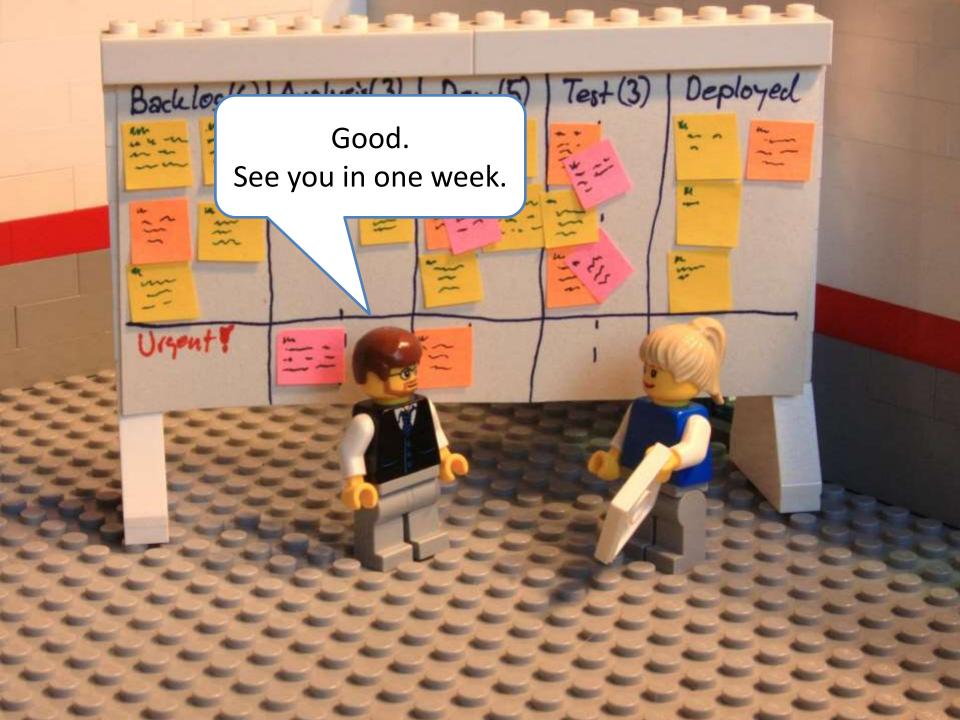
PDCA CYCLES RECORD (Each row = one experiment)									
Date: 5th Dec						Process Lead time			
Process: Frontend						Metric			
<u>Step</u>	What do you expect?			R	<u>esult</u>	Observe closely	What We Learned		
Document the setup process	We expect to understand the process better	e		mar	y steps o Jually eve Jutomated	n if they can	Many of the steps can be automated with small changes to the current setup process		
Automating large parts of the test setup		Coaching Cycle	EXPERIMENT						

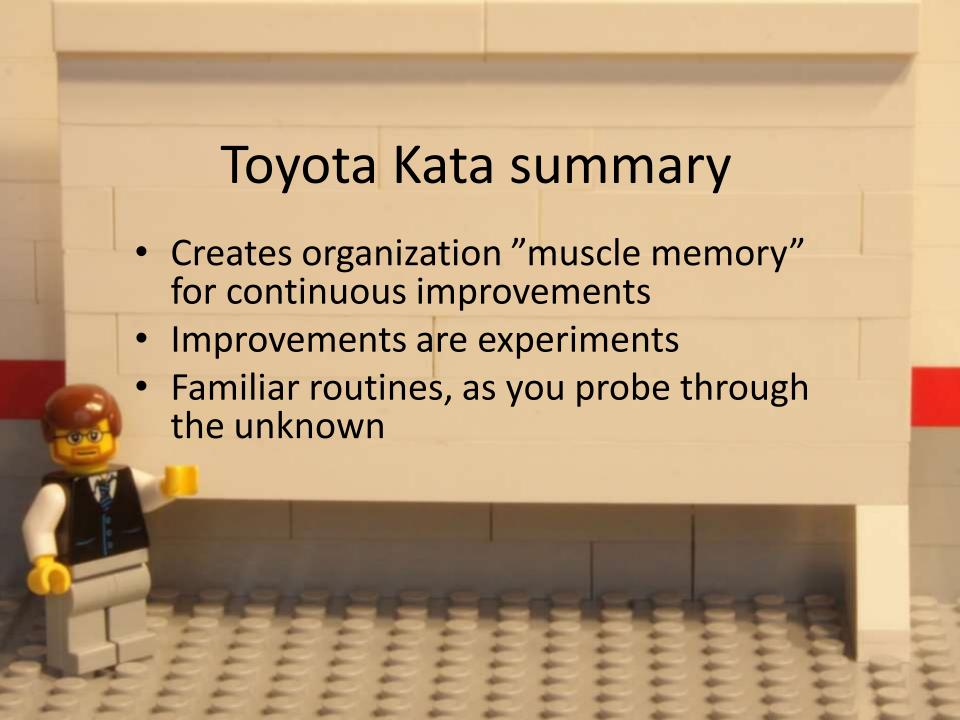
PDCA CYCLES RECORD (Each row = one experiment)								
Date: 5th Dec Process: Frontend	d			Process Lead time Metric				
Step	What do you expect?			R	esult	Observe closely	What We Learned	
	We expect to understand the process better	9		man	•	are done n if they can	Many of the steps can be automated with small changes to the current setup process	
Automating large parts of the test setup		Coaching Cycle	EXPERIMENT					
Automating setup of test database		Coa						
	• • • • • •							

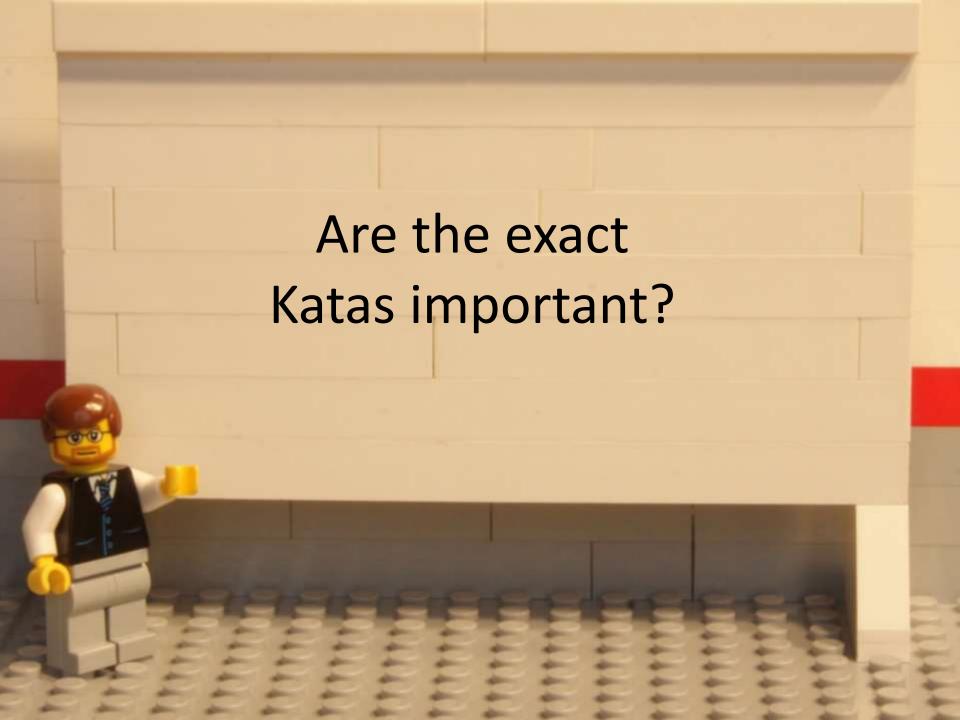


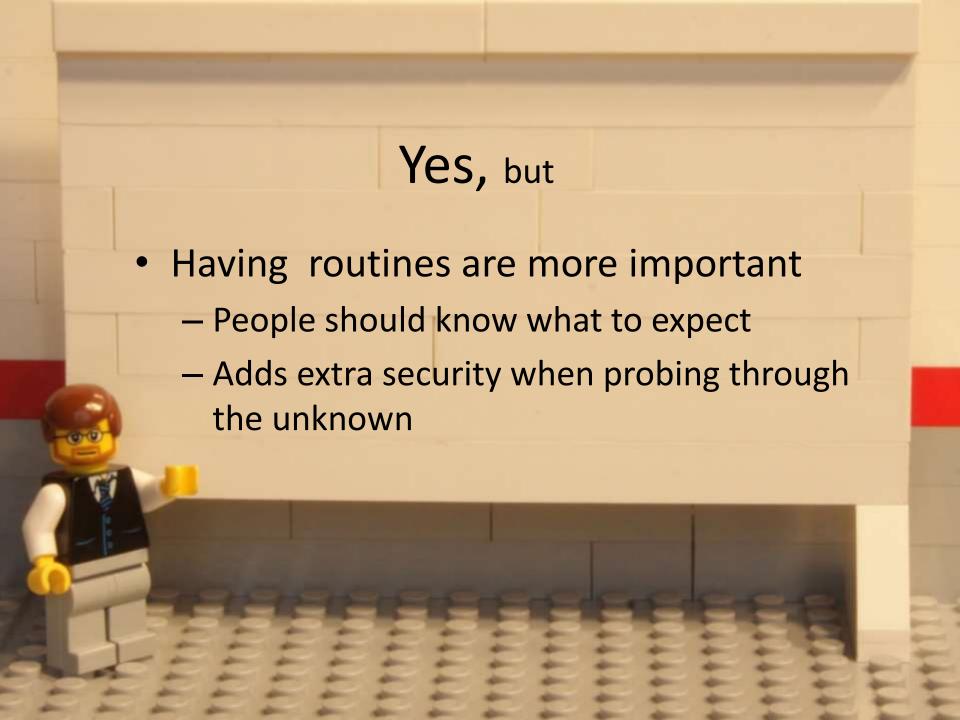
PDCA CYCLES RECORD (Each row = one experiment)							
Date: 5th Dec Process: Fronten	4			Process Lead time Metric			
Step	What do you expect?			<u>R</u>	esult	Observe closely	What We Learned
	We expect to understand the process better	6	mar		y steps a ually ever utomated	re done n if they can	Many of the steps can be automated with small changes to the current setup process
Automating large parts of the test setup		Coaching Cycle	EXPERIMENT				
•	We expect to half the setup time for the test database	Coa					
	•						





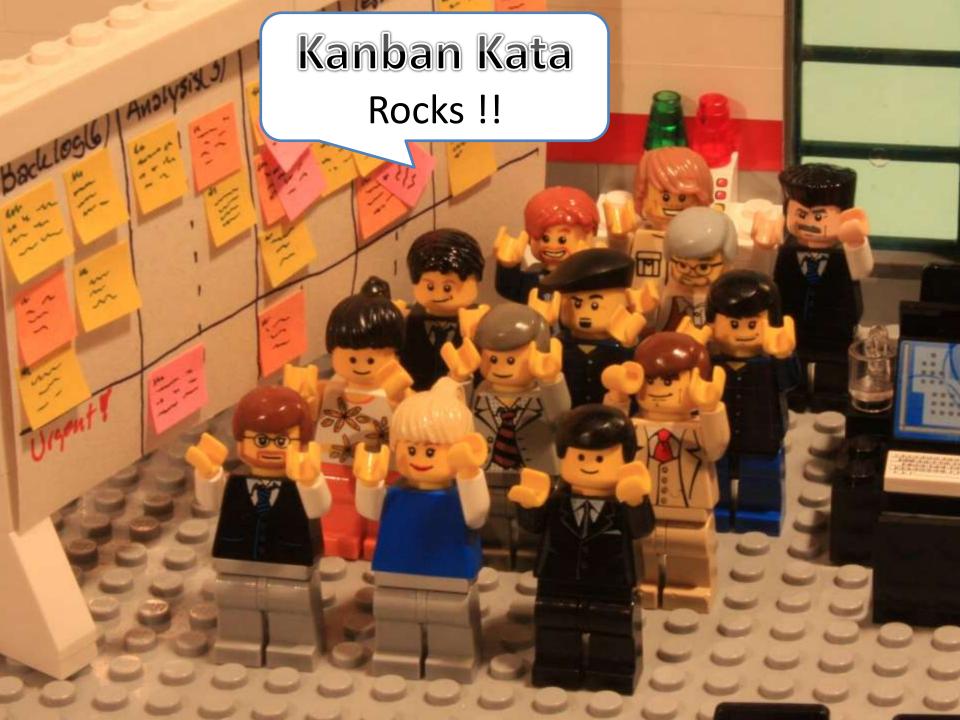














http://hakanforss.wordpress.com/tag/toyota-kata/

http://www-personal.umich.edu/~mrother/Homepage.html

http://www.lean.org/kata/

http://www.slideshare.net/mike734





Håkan Forss

Mail: hakan.forss@avegagroup.se

Twitter: @hakanforss

Blog: http://hakanforss.wordpress.com

