

As a Human I Want...

Software Development Process in Light of Human Behavior Science.

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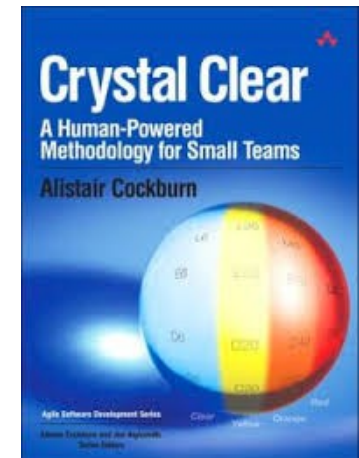
14 years

Enterprise WebApps Development

What do ALL these have in Common?



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They are all making money for someone
(and not just Consultants)

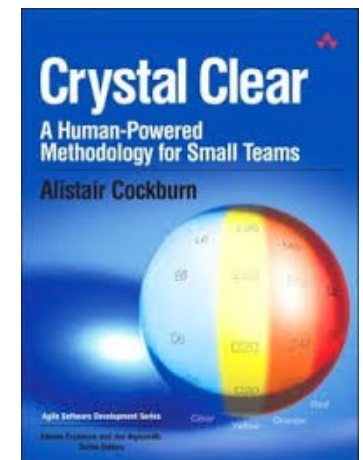
Are You?

- ✓ Starting any given day: 90% certain you are going home on time (without disappointing your boss)
- ✓ Confident in making plans to spend time with friends and family
- ✓ Spending enough time on personal growth: (hobbies, training, future plans, exercise)
- ✓ Starting any given project: 90% certain to meet or exceed your customer's expectations. (and your own)

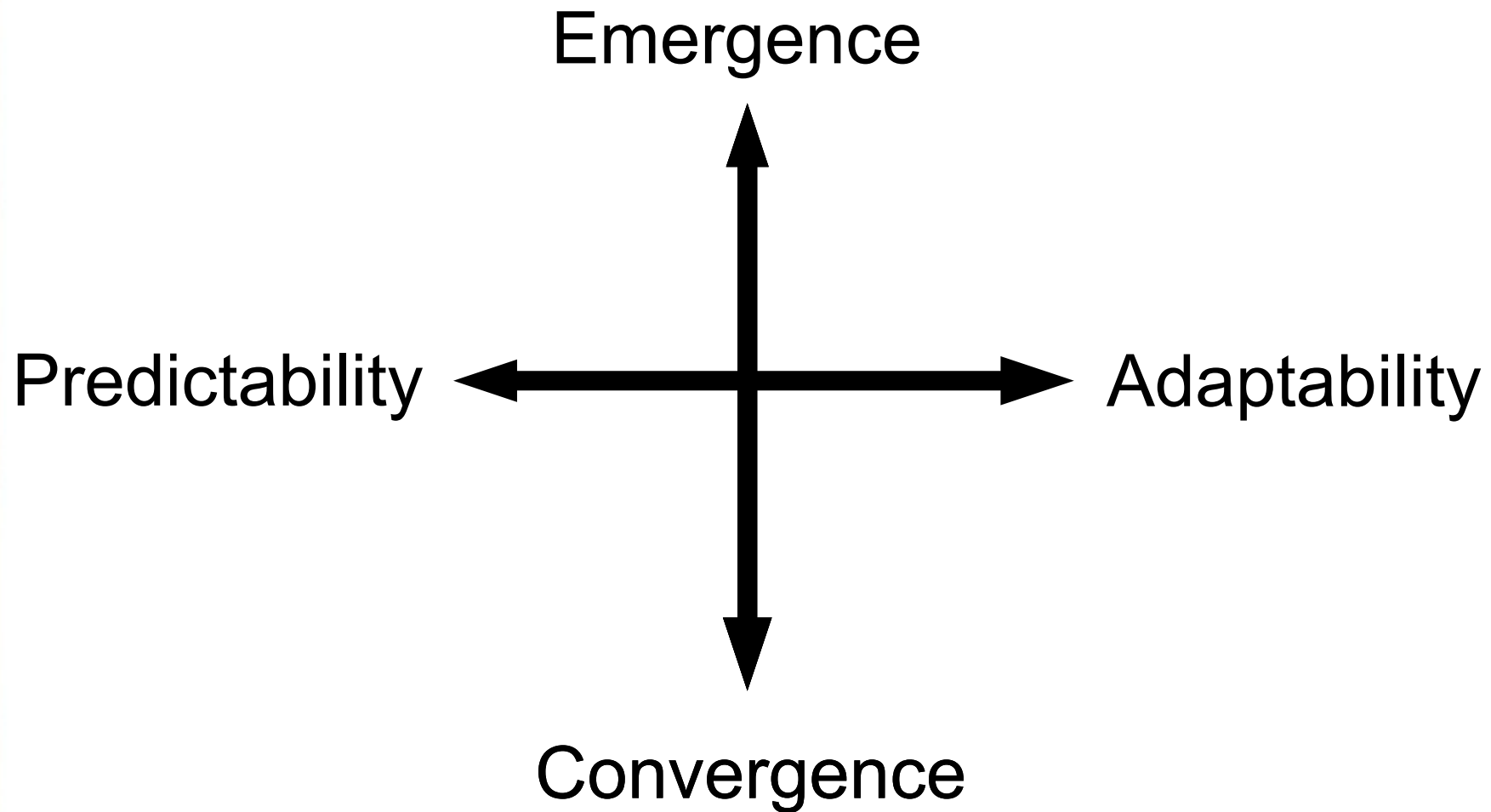
What's Your Secret?



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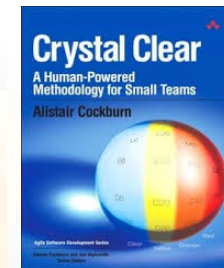


LeadingAgile Quadrants





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***Your Actual Results May Vary**

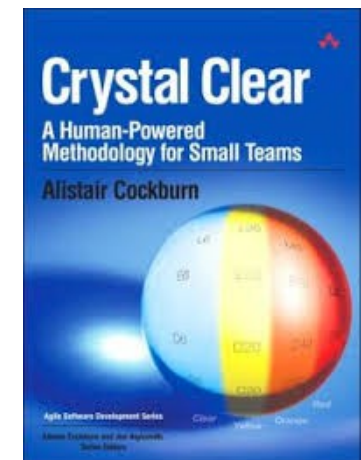
Do You?

- ✗ Regularly bail on plans with friends and family to “fight fires”.
- ✗ Sleep through the weekends you are not working.
- ✗ Have an ever growing list of things you hope to get to someday.
- ✗ Start any given project 90% certain will disappoint yourselves and your customers!

What is your poison?



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Like Sisyphus...



You Are Bound To Hell!

As a Human...

I Want: A Software Process that
Works.

So That: I can have A Life.

What do you mean by “Works”?



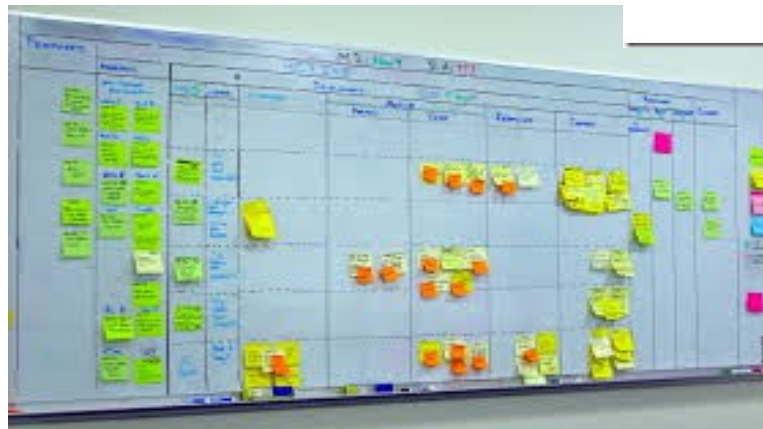
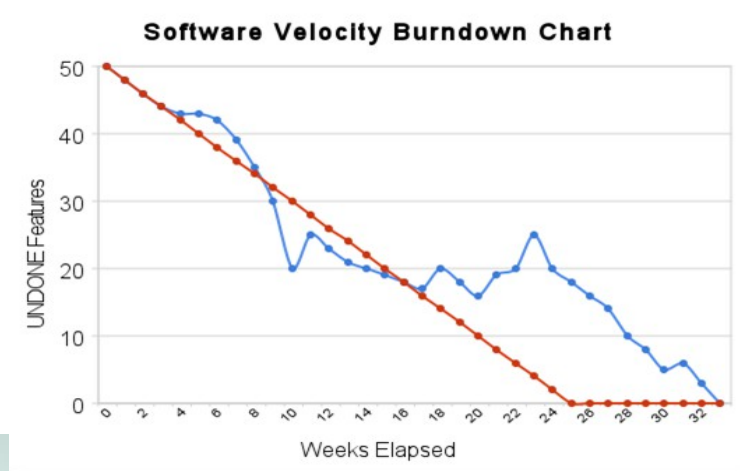
Minimum Viable Process

Projects finish with
Minimum Effort,
Maximum Profit

Where a Project Is

People Completing Tasks
by a Known Date.

This is not People Completing Tasks..



<https://www.manager-tools.com/2009/01/horstmans-law-project-management-part-1>

anymore than this is a pipe.

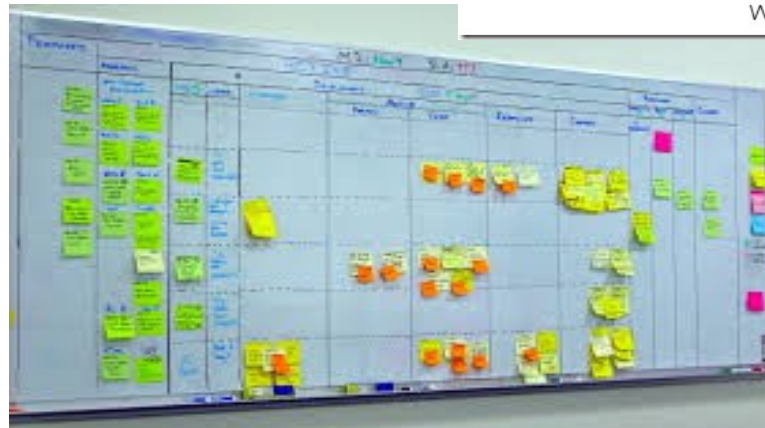
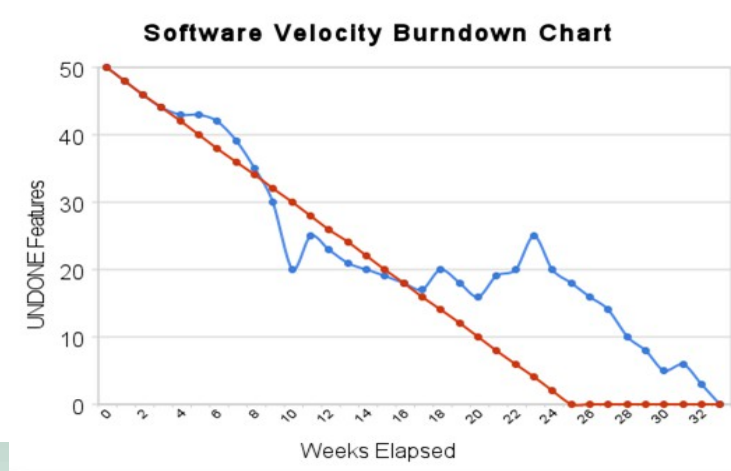


“People are the Engine of Project Success”

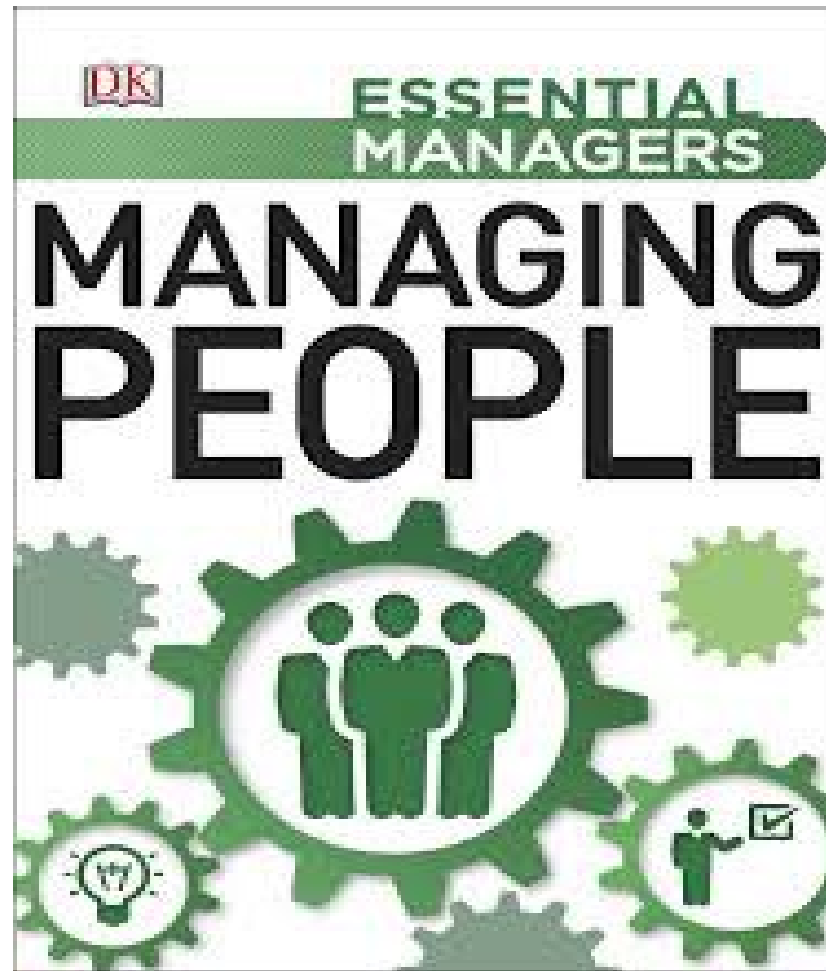
People Completing Tasks
Create Products.

*<https://www.manager-tools.com/2009/01/horstmans-law-project-management-part-1>

Too Much Of...



Not Enough Of...



People are the Engine not the Fuel

Maintain Engines

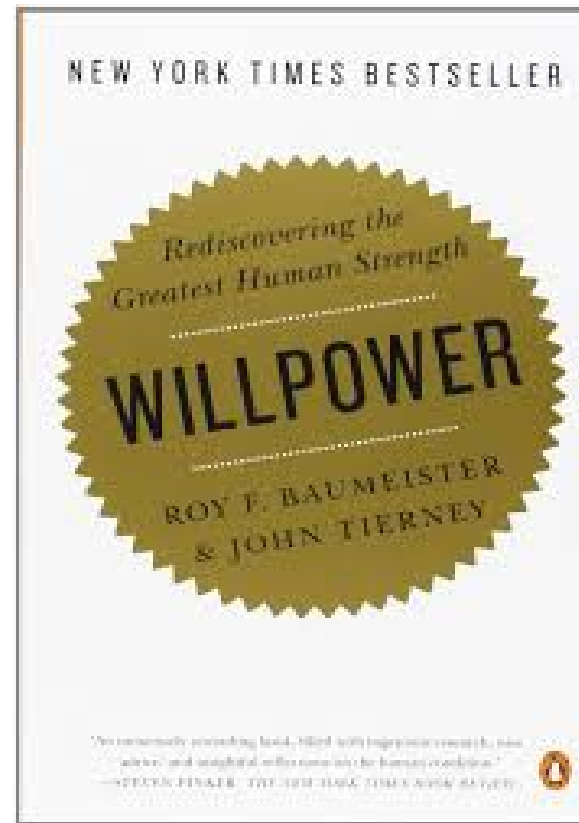
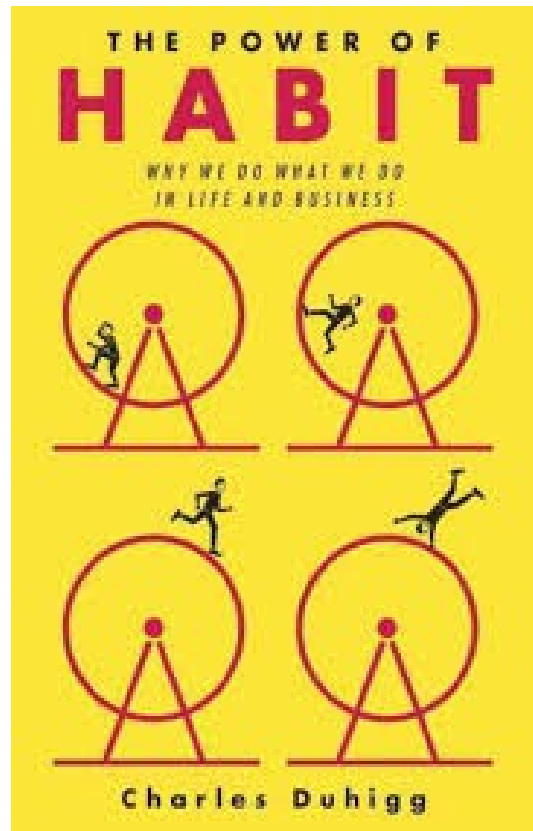


Consume Fuel

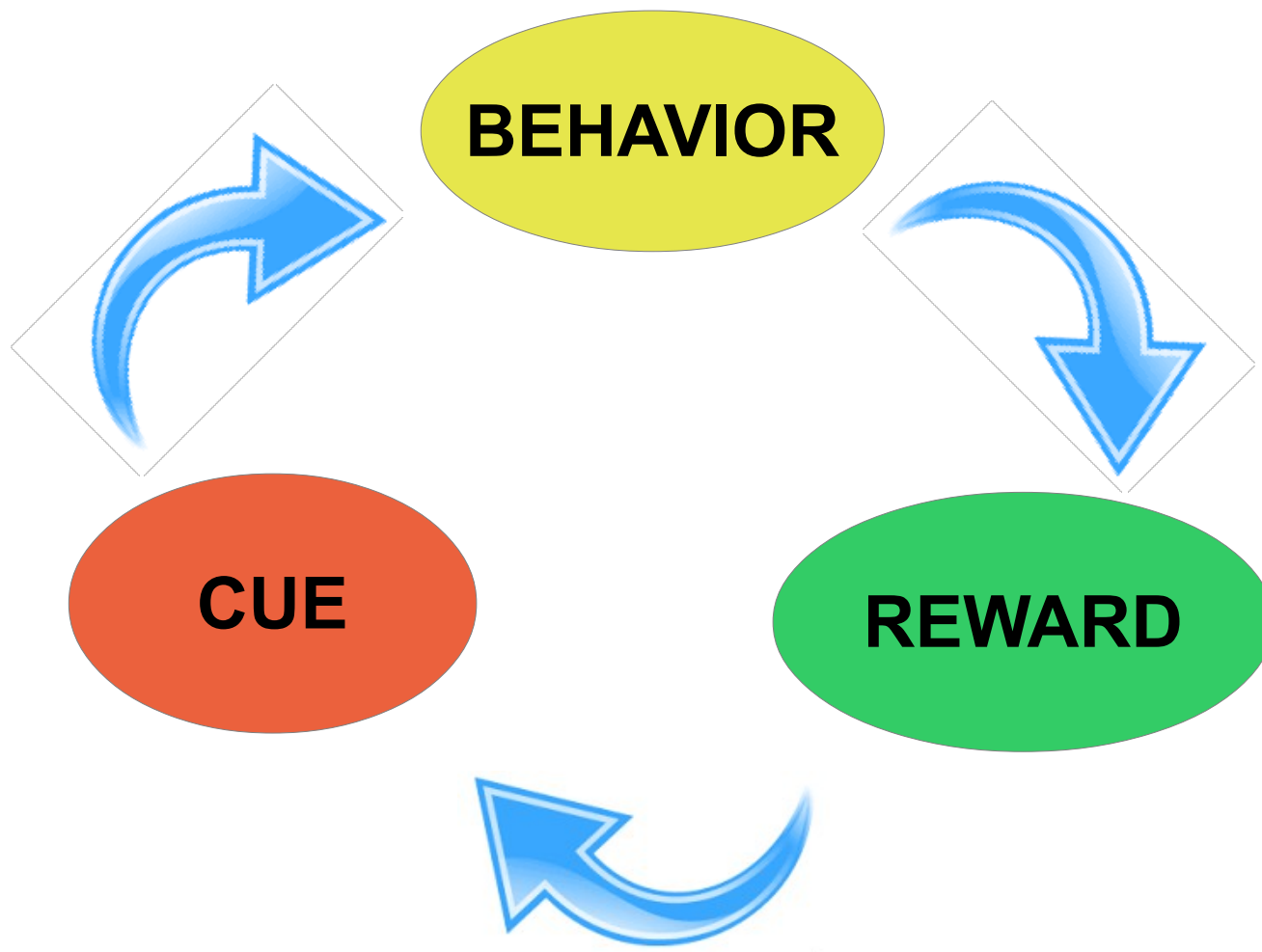


Human Mechanics

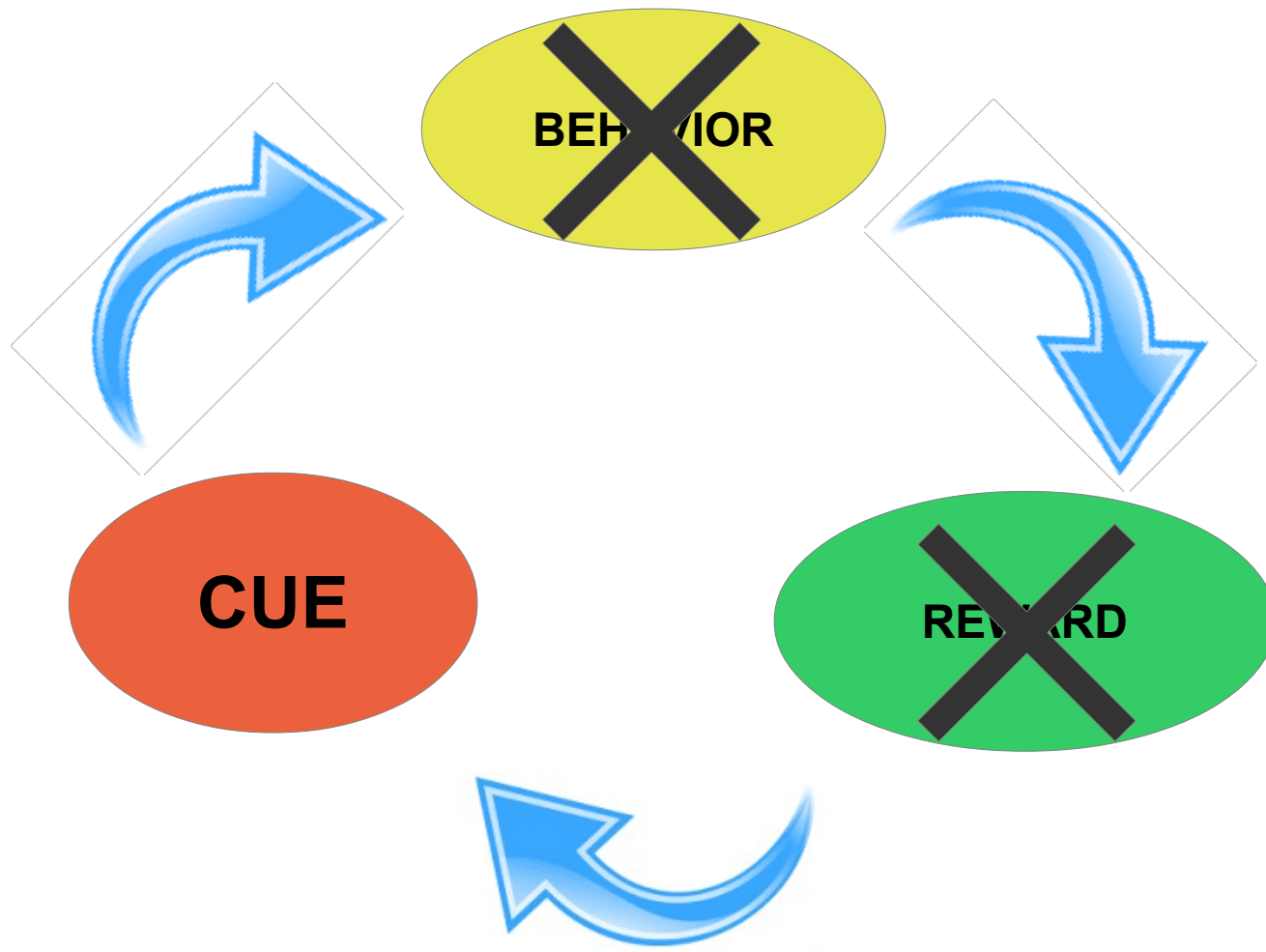
How do People Do Work?



Habit



Willpower



NEW YORK TIMES BESTSELLER

*Rediscovering the
Greatest Human Strength*

WILLPOWER

ROY F. BAUMEISTER
& JOHN TIERNEY

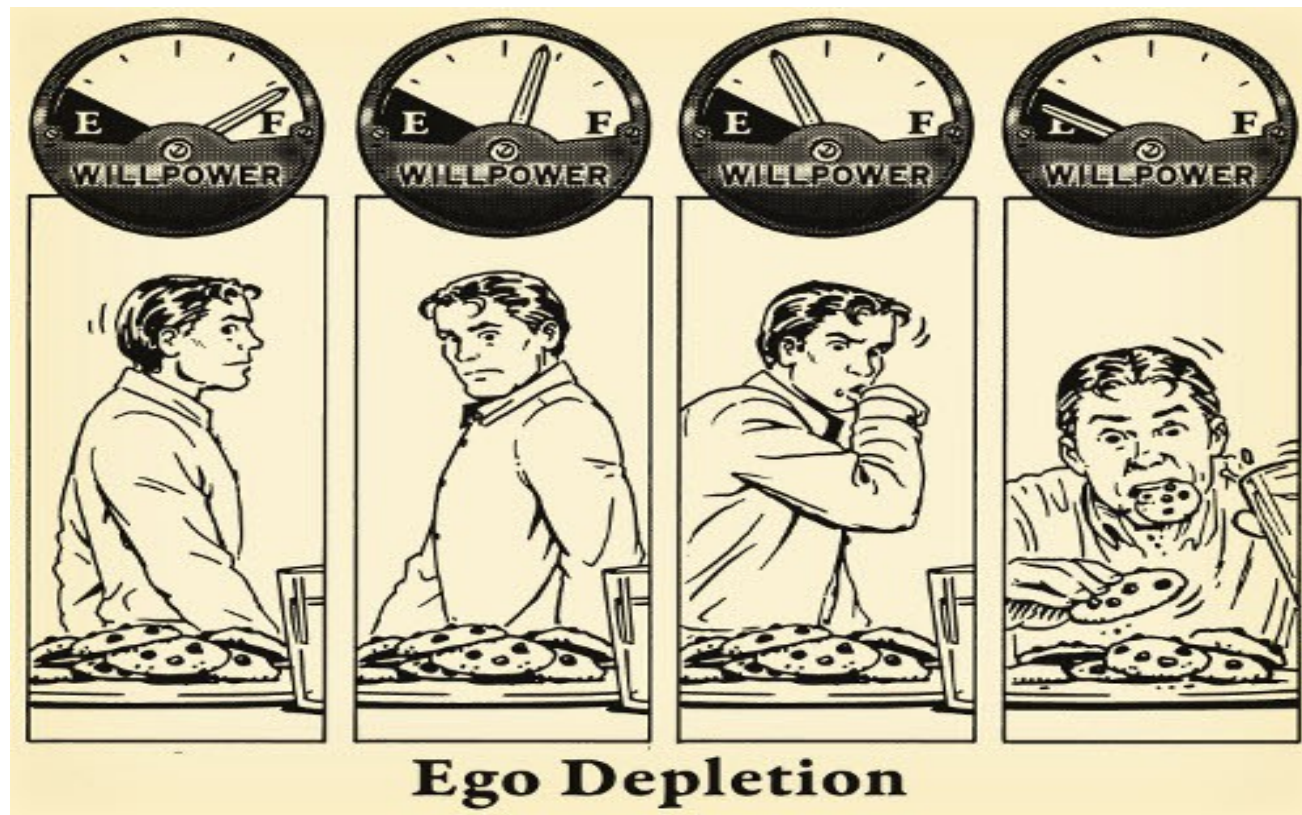
"An immensely powerful book, filled with inspiring concepts, new
ideas, and insightful reflections on the human condition."
—STEVE FINER, THE NEW YORK TIMES BOOK REVIEW



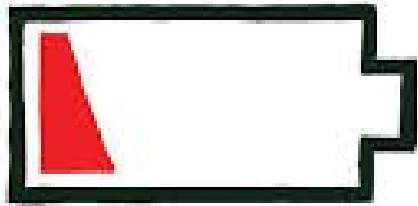
WILLPOWER

IT IS BY WILL ALONE THAT I SET MY MIND IN MOTION

Willpower is a Finite Resource



<http://www.artofmanliness.com/2012/01/08/willpower-part-ii/>



LOOK!
A Distraction!

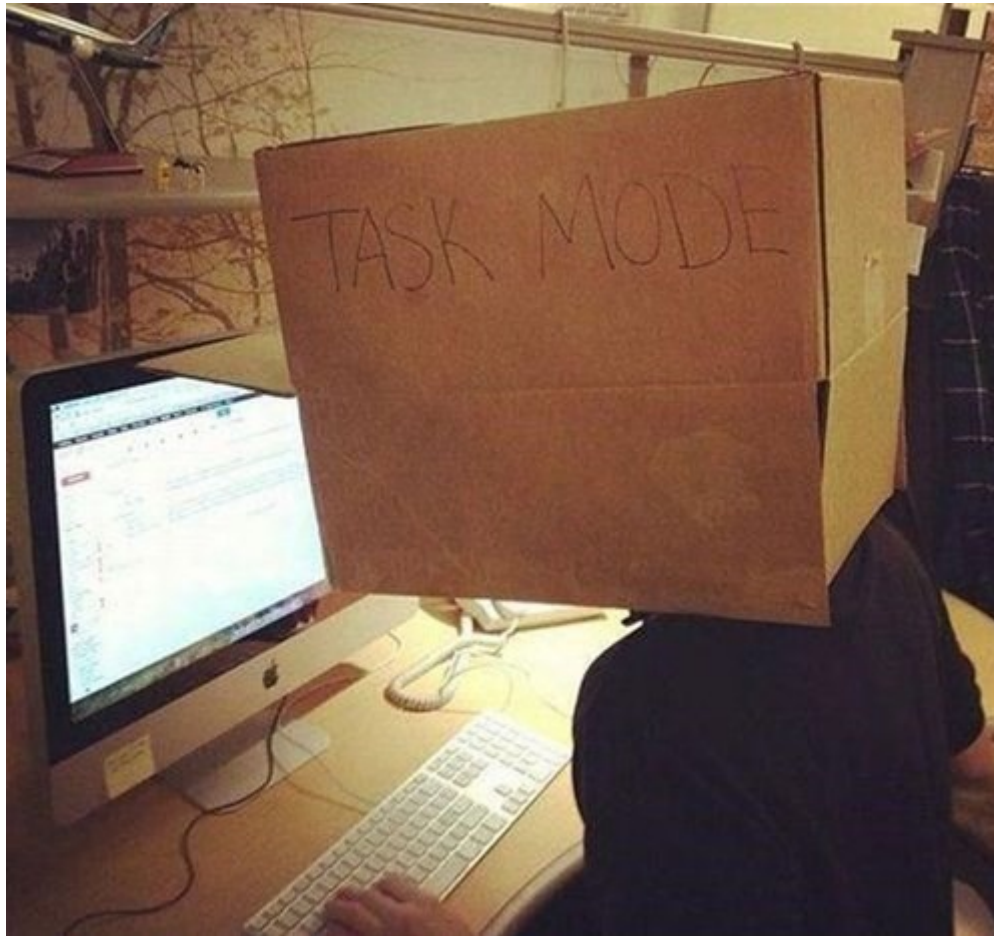


Willpower like a Muscle



<http://realwired.com/realwired-newsletters/willpower-matter/>

Willpower capacity can be managed



Perseverance

The greater the obstacle,
the greater the glory in overcoming it



Habit : Willpower Conservation

MOTIVATION

IS WHAT GETS YOU STARTED,

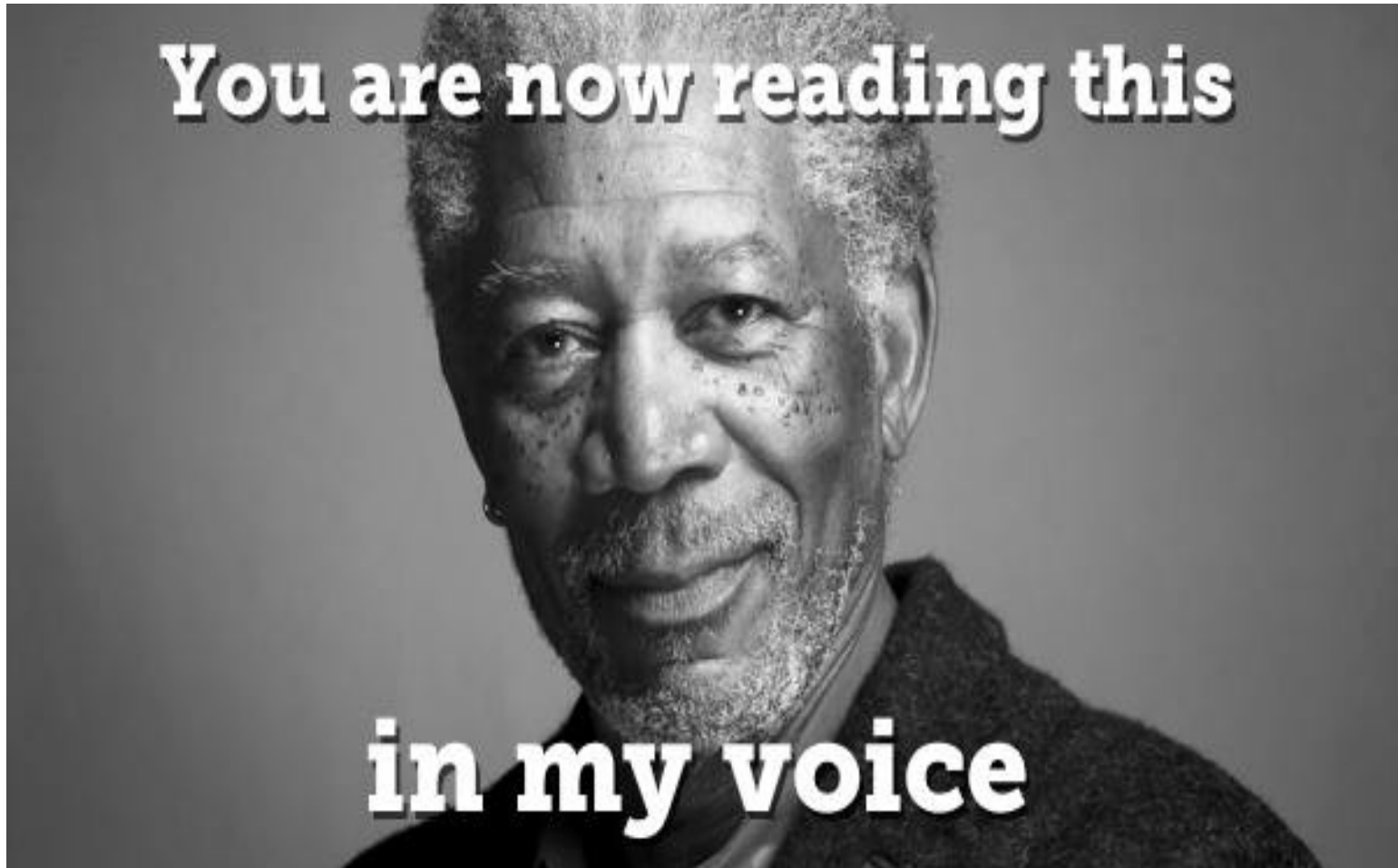


HABIT

IS WHAT KEEPS YOU GOING

<http://richmilleronline.com/tag/21-day-habit/>

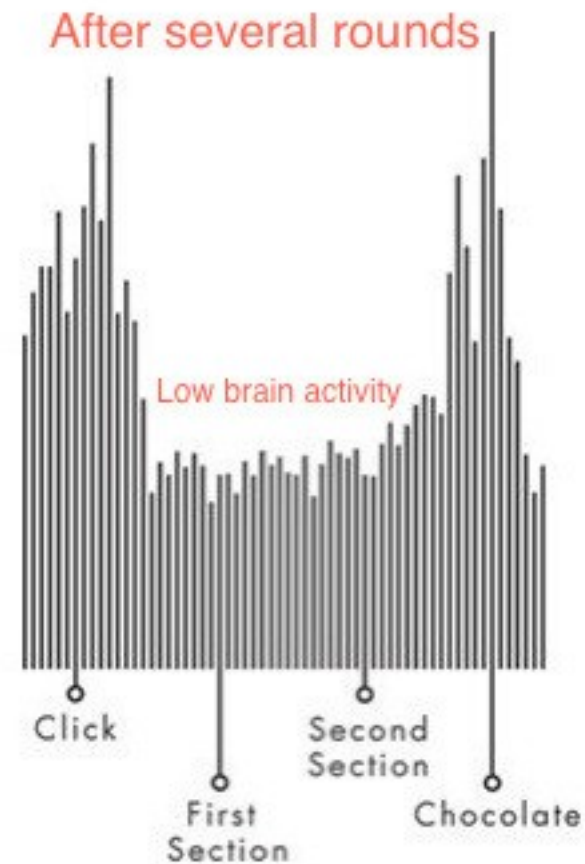
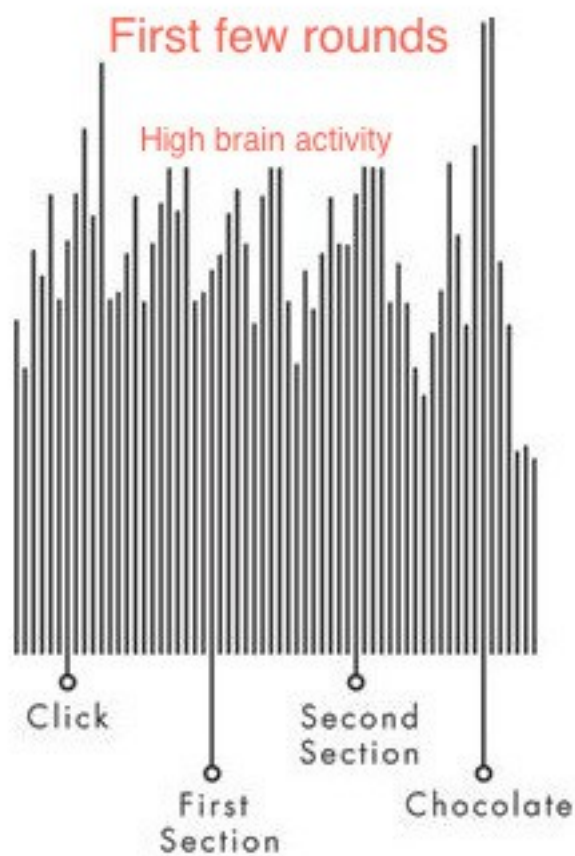
The Brain is Wired For Habit



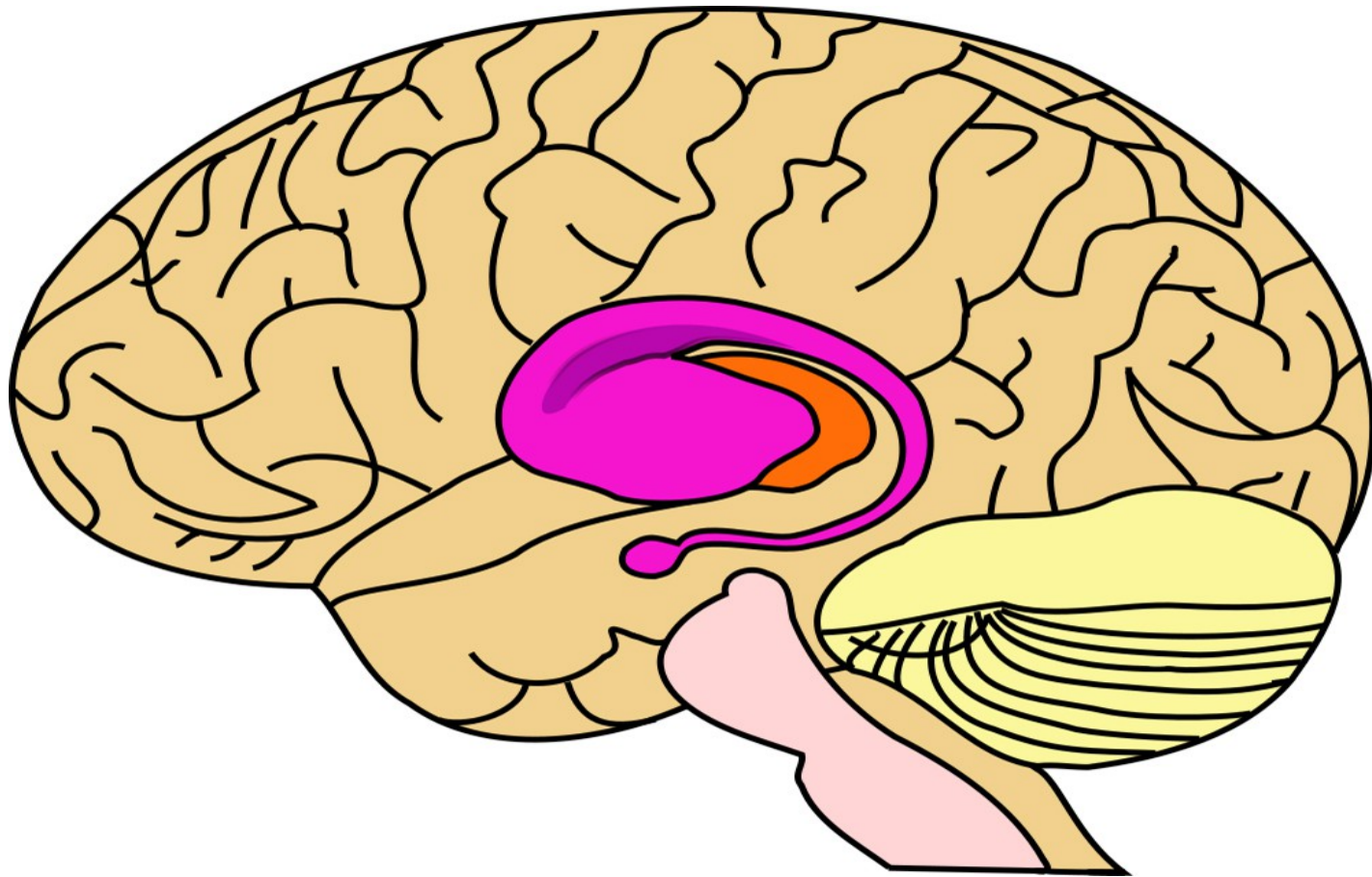
Habit = Learning



Habit conserves Willpower



Habit forms in the Basal Ganglia



Not All Habits Are Equal

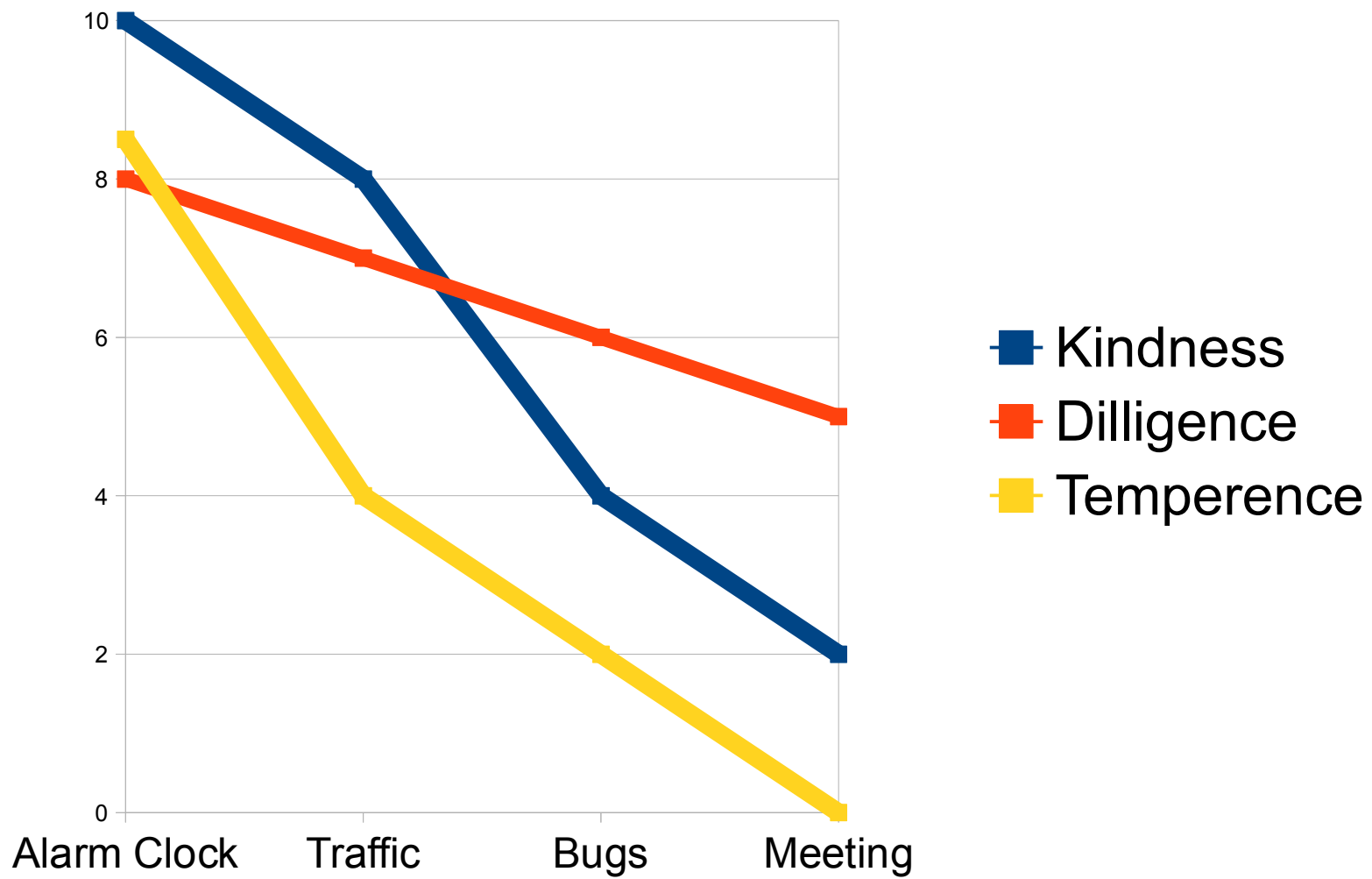


Willpower: Override of Habit



WILLPOWER

IT IS BY WILL ALONE THAT I SET MY MIND IN MOTION



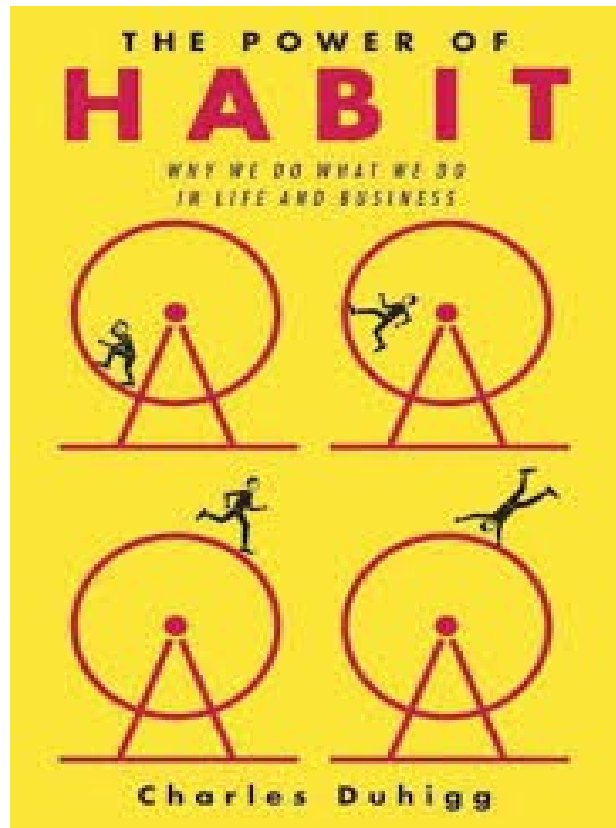
As a Human...

I Want: A Software Development Process
that is a collection of Good Habits.

So That: I have Maximum Success with
Minimum Effort

My week is basically:

- **Monday**
- **Monday #2**
- **Monday #3**
- **Monday #4**
- **Friday**
- **Saturday**
- **Pre-Monday**



<http://www.forbes.com/sites/joshsteimle/2014/02/04/small-business-practices-that-make-a-big-difference/>

Keystone Habits

“Keystone habits influence how we work, eat, play, live, spend, and communicate”, and they “start a process that, over time, transforms everything.”

How Alcoa Got It's Groove Back

“just another wheezing
industrial giant with an
unremarkable financial record
and a workforce that was
biding its time”

1986

http://www.businessweek.com/2001/01_06/b3718006.htm

How Alcoa Got It's Groove Back



“I intend to make Alcoa the safest company in America. I intend to go for zero injuries.”

Paul O'Niell – Oct 1987

How Alcoa Got It's Groove Back

in 1999 when Alcoa was the top
stock among the 30 Dow Jones
industrials

Market Cap Increased 126%

http://www.businessweek.com/2001/01_06/b3718006.htm

Safety Changed the Equation

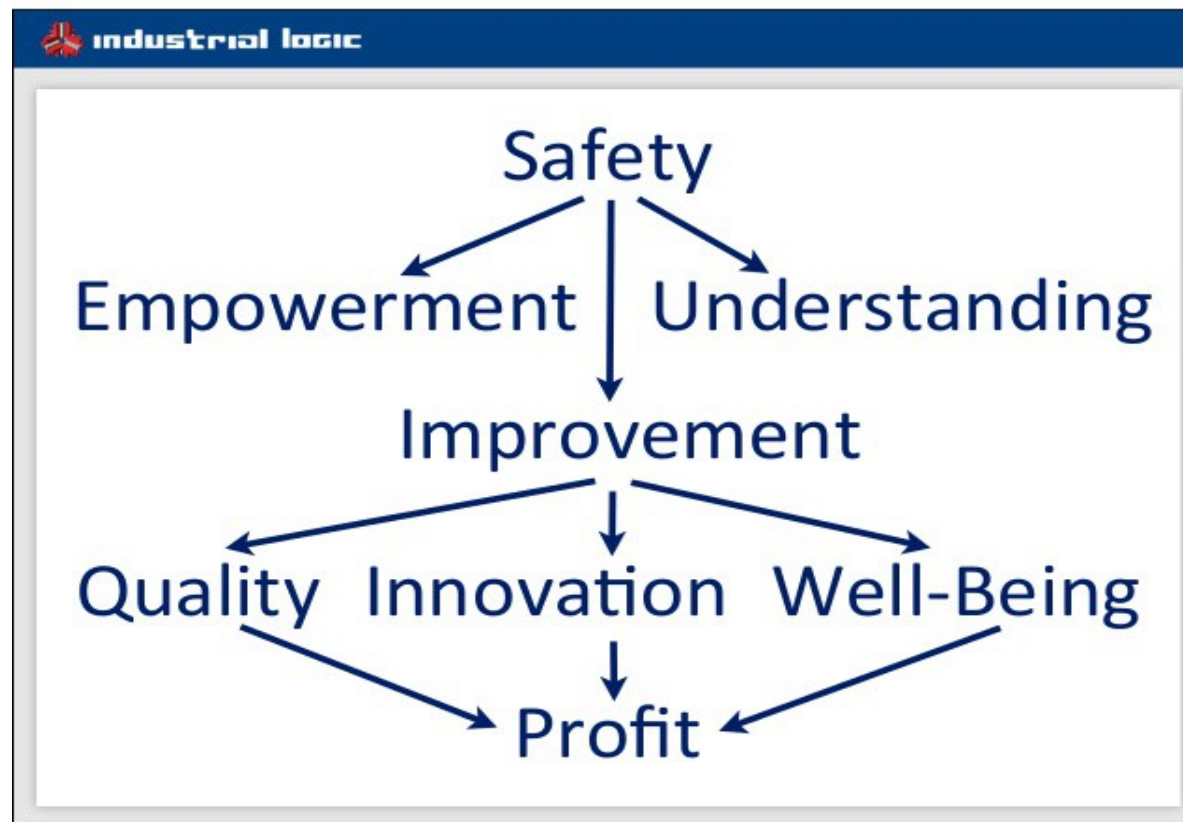
Worker Injury, Death
≠
Cost of Doing Business

No Longer Suppressing Human Nature

Self Preservation *over* Meeting Targets

Protecting Life *over* Cost Savings

New Energy Invested In New Opportunities



People are the Engine not the Fuel

Maintain Engines



Consume Fuel



What About Software?

Individuals and
interactions

over

Process and
tools

Working
software

over

Comprehensive
documentation

Customer
collaboration

over

Contract
negotiation

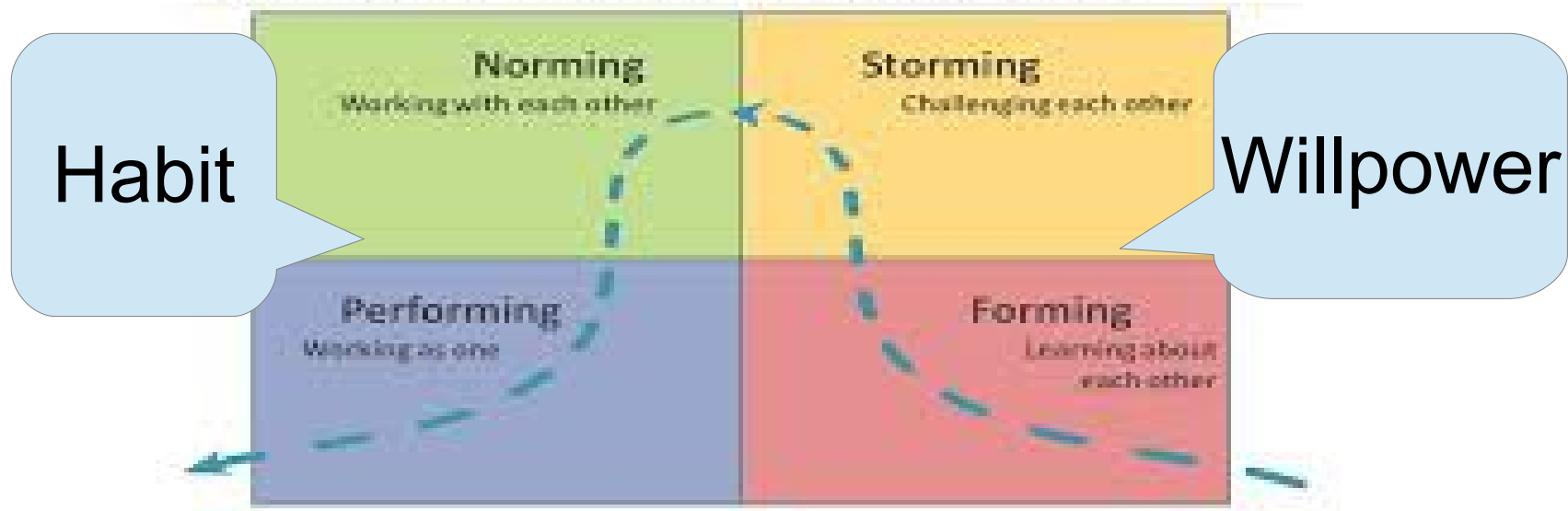
Responding to
change

over

Following
a plan

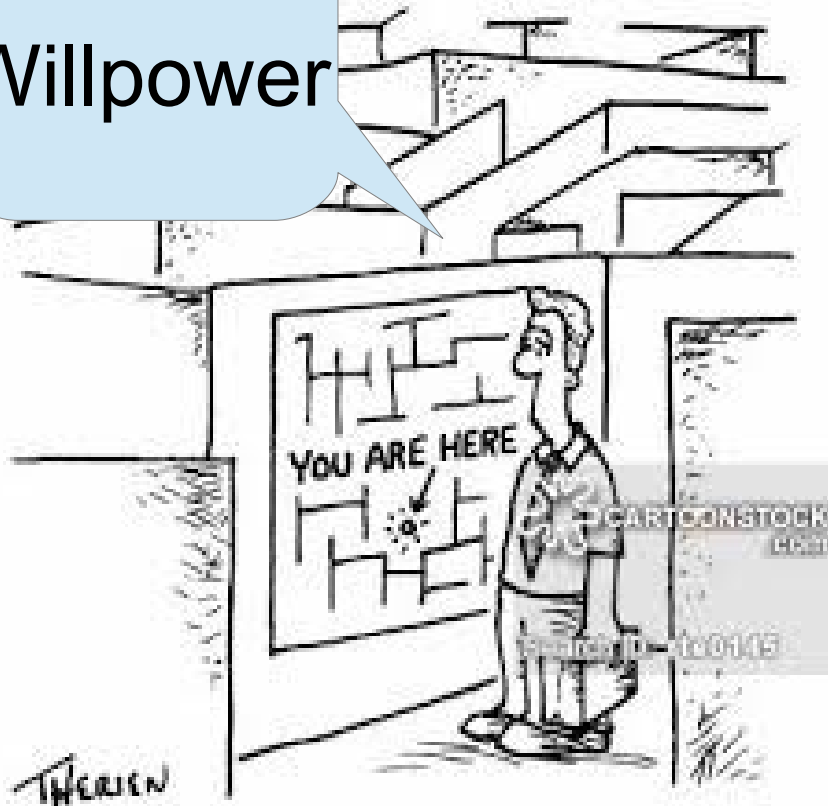
Stable Teams

Forming, Storming, Norming, Performing...



Regular Delivery Working Software

Willpower



Habit

Prioritized Backlog



Willpower

Habit



Find a Coach



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