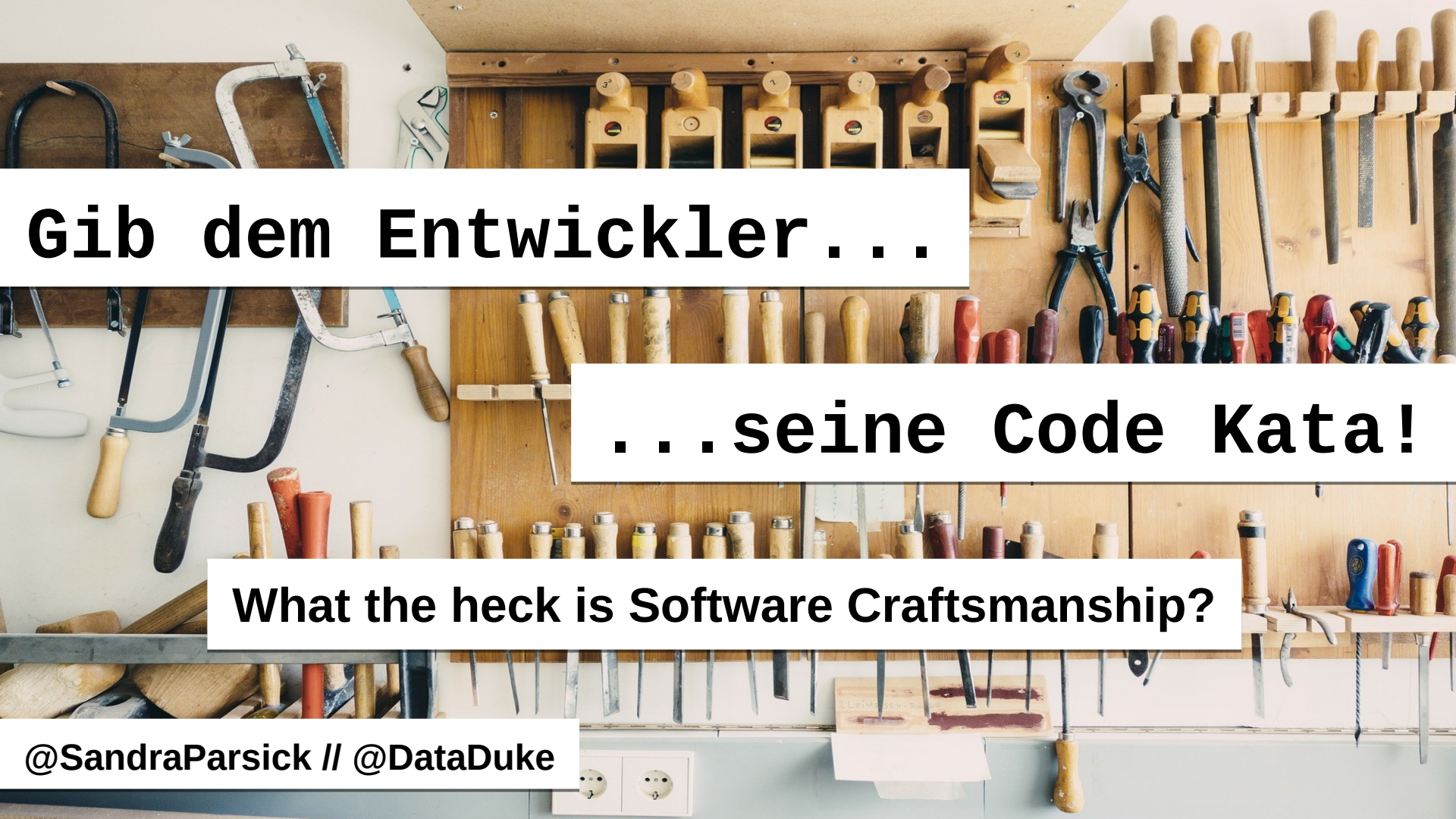
Gib dem Entwickler...

@SandraParsick // @DataDuke



Gib dem Entwickler...

...seine Code Kata!

What the heck is Software Craftsmanship?

@SandraParsick // @DataDuke

Who we are?

Benjamin Nothdurft

Software Crafter codecentric

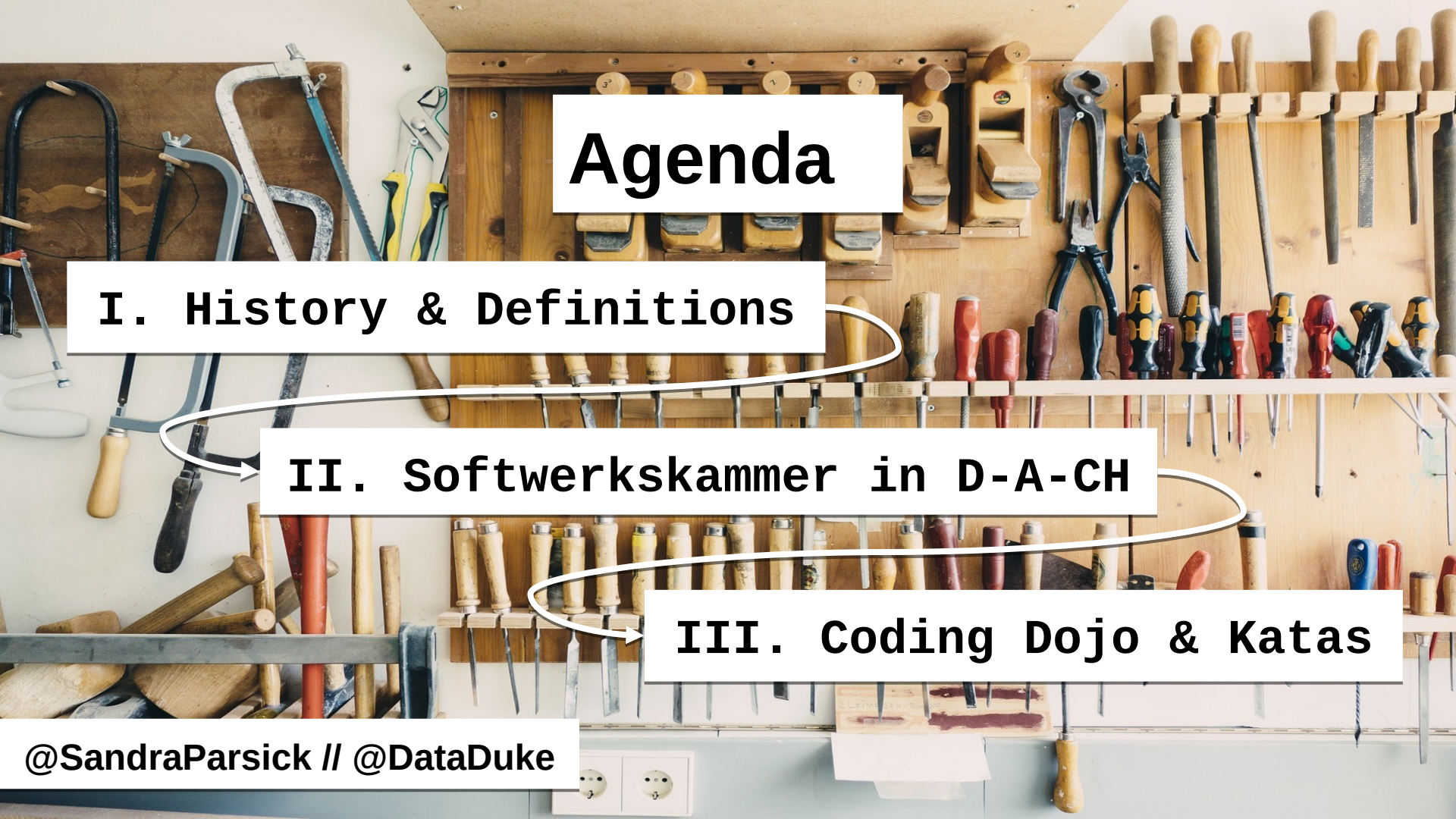
- Topics
  - Java & container ecosystems
  - Continuous Integration / Delivery
- Frequently visited
  - SWK München, Nürnberg & Berlin
  - SoCrates 2014, 2015, 2016
- Founded
  - **Softwerkskammer Jena (Early 2016)**
  - JUG Thüringen (Early 2017)
  - Devoxx4Kids Thüringen (Early 2018)

Sandra Parsick

Freelance Software Developer

- Topics
  - Java ecosystem
  - Continuous Integration / Delivery
- **Softwerkskammer Ruhrgebiet since 2012**
- First SoCraTes: 2014

@SandraParsick // @DataDuke



Agenda

I. History & Definitions

II. Softwerkskammer in D-A-CH

III. Coding Dojo & Katas

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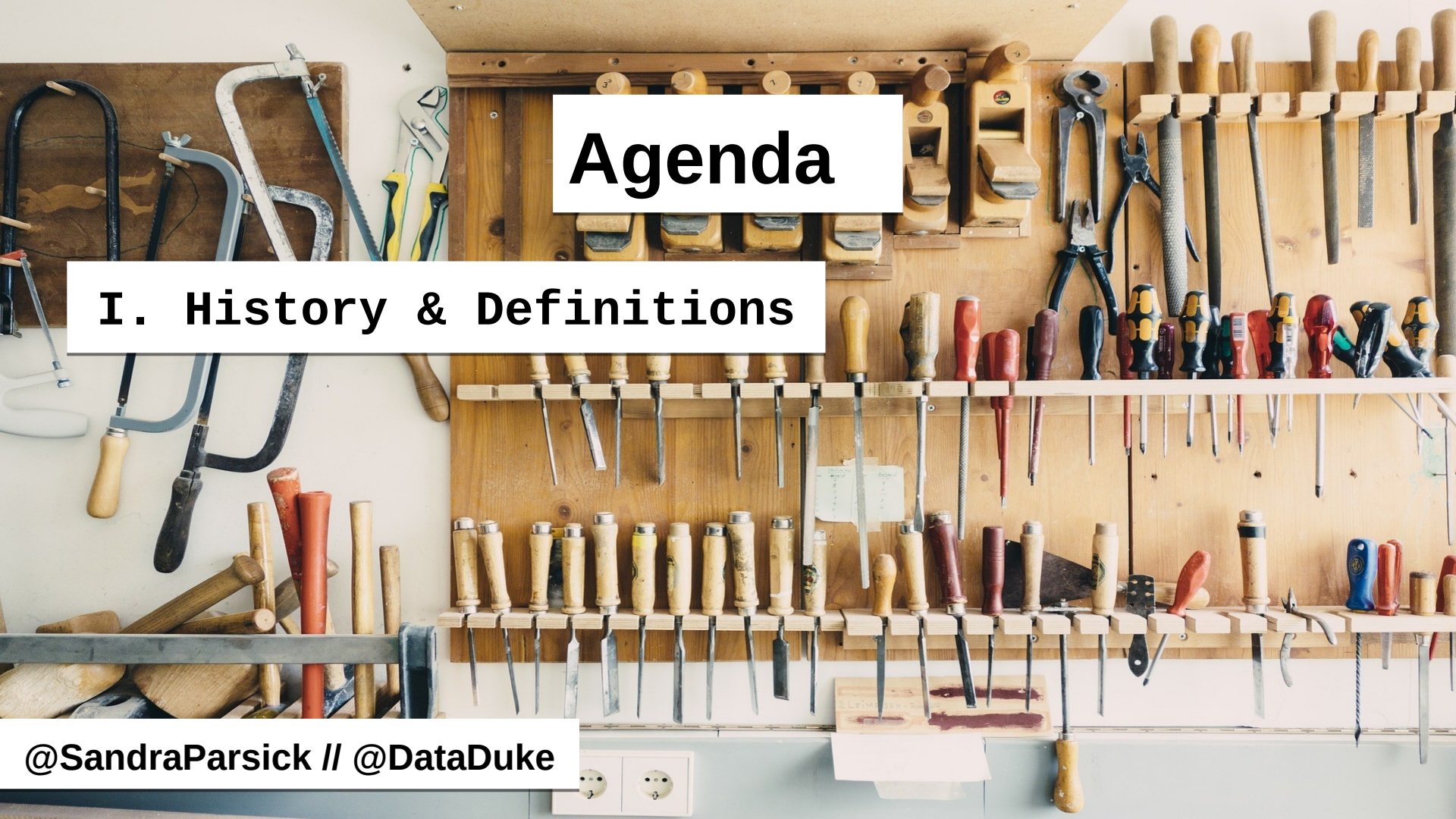

Agenda

I. History & Definitions

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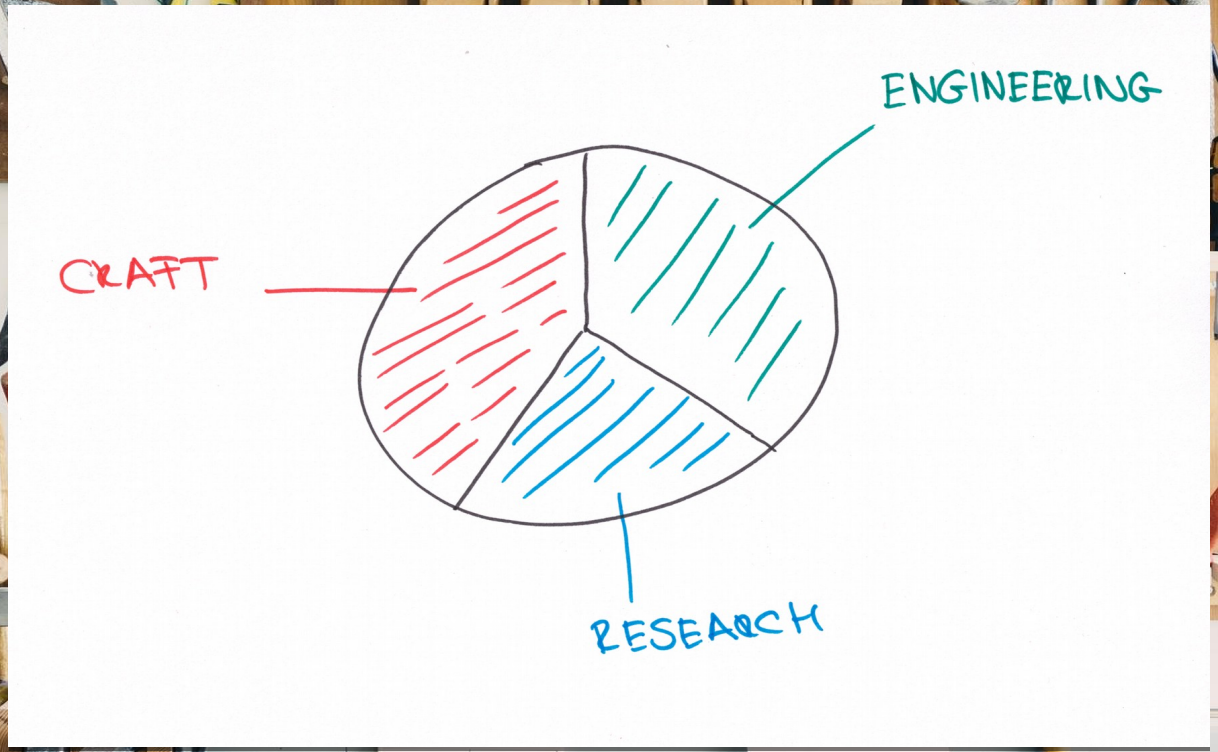
Software Development



1999 - 2001

The Pragmatic Programmer
from journeyman to master
Andrew Hunt
David Thomas
Foreword by Ward Cunningham
Software Craftsmanship
The New Imperative
Pete McBreen
Foreword by Dave Thomas

2001 - Birth of Agile

Manifesto for Agile Software Development

We are uncovering better ways of developing
software by doing it and helping others do it.
Through this work we have come to value:

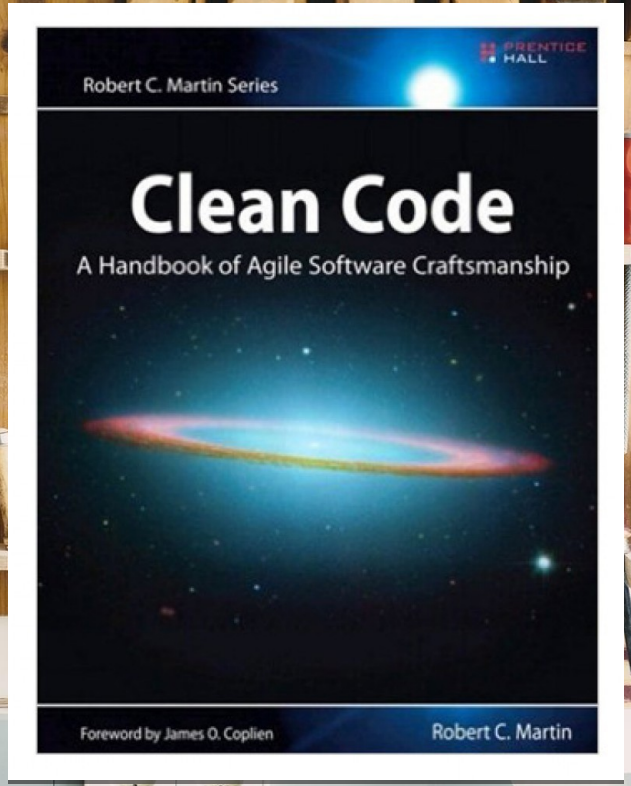
Individuals and interactions over processes and tools
Working software over comprehensive documentation
Customer collaboration over contract negotiation
Responding to change over following a plan

That is, while there is value in the items on
the right, we value the items on the left more.

Kent Beck
Mike Beedle
Arie van Bennekum
Alistair Cockburn
Ward Cunningham
Martin Fowler
James Grenning
Jim Highsmith
Andrew Hunt
Ron Jeffries
Jon Kern
Brian Marick
Robert C. Martin
Steve Mellor
Ken Schwaber
Jeff Sutherland
Dave Thomas

http://agilemanifesto.org

2008 - Agile Hangover



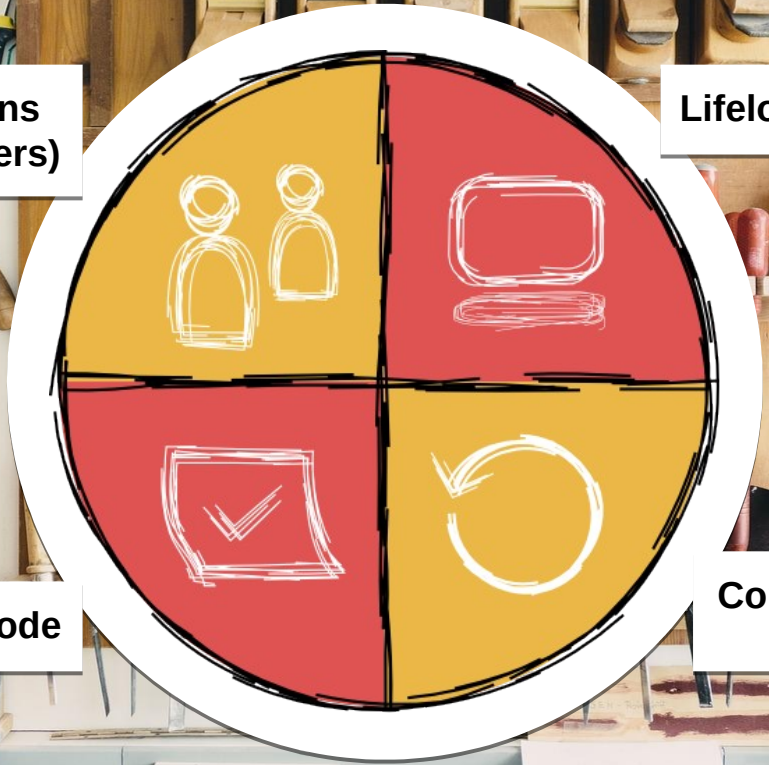
2008 - Manifesto for Software Craftsmanship

http://manifesto.softwarecraftsmanship.org

Craft

Individuals & Interactions
(Learning from each others)

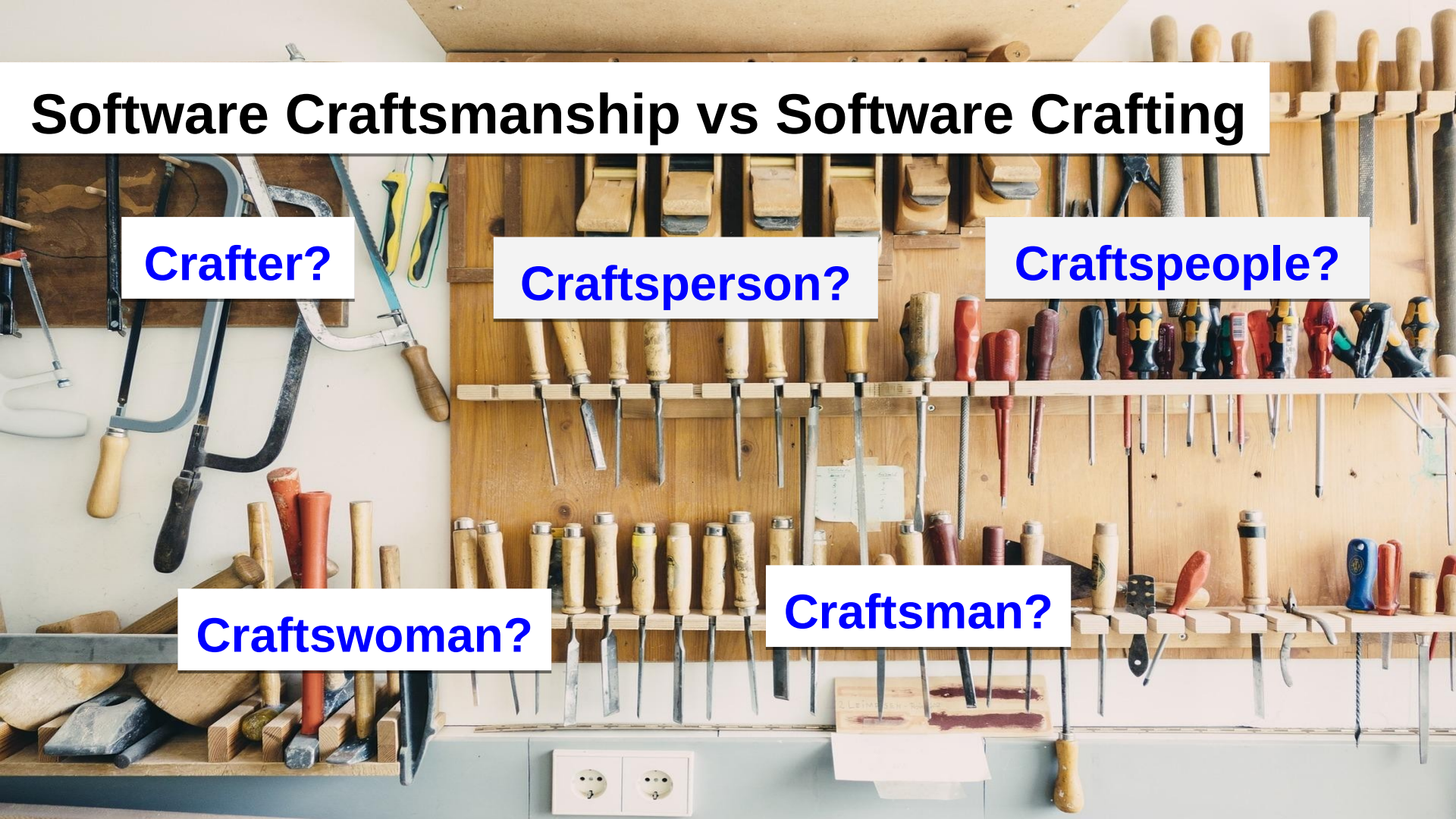
Lifelong Learning



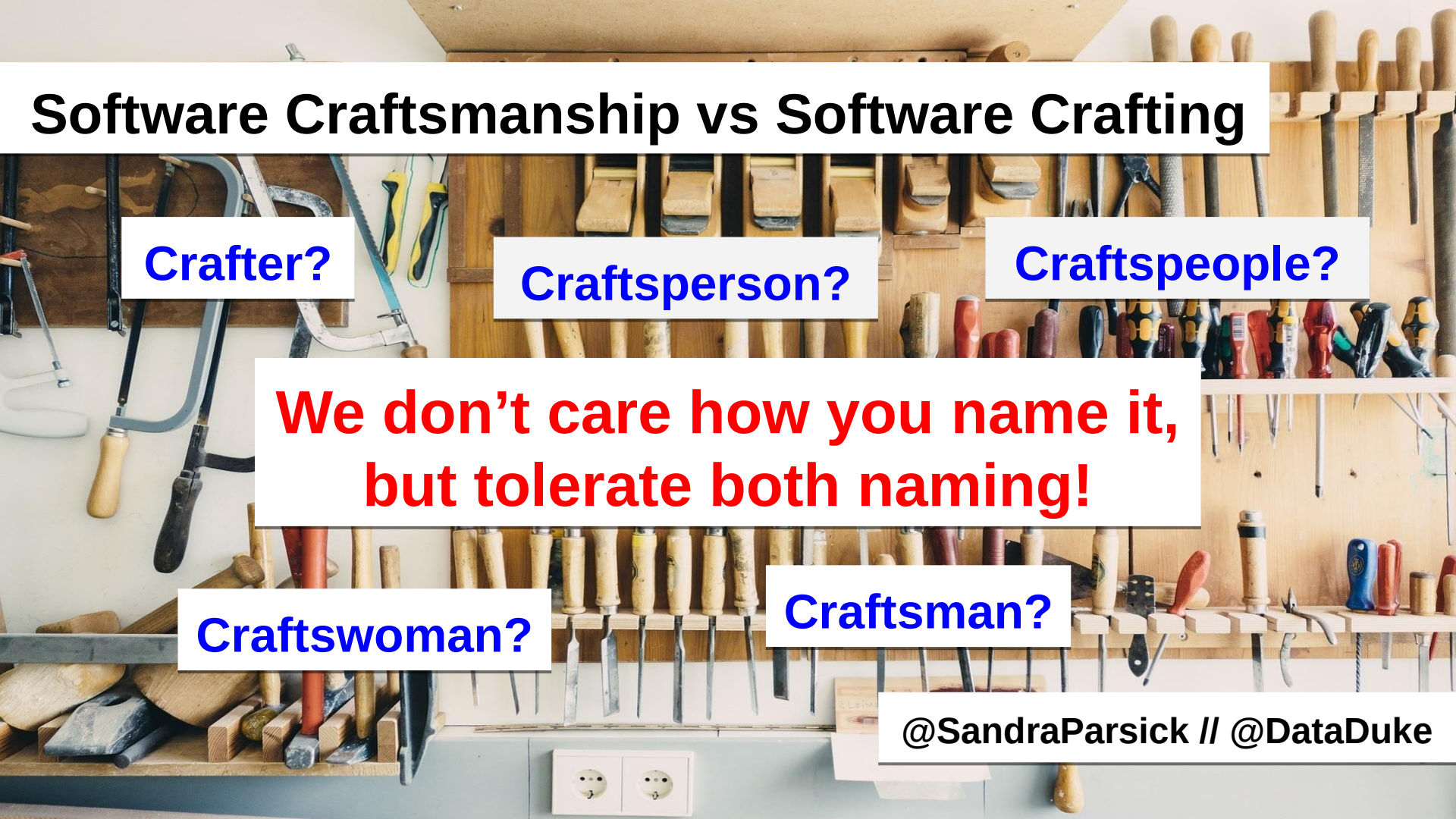
Clean Code

Continuous Improvement
(Practice)

Software Craftsmanship vs Software Crafting



Software Craftsmanship vs Software Crafting



Crafter?

Craftsperson?

Craftspeople?

We don’t care how you name it, but tolerate both naming!

Craftswoman?

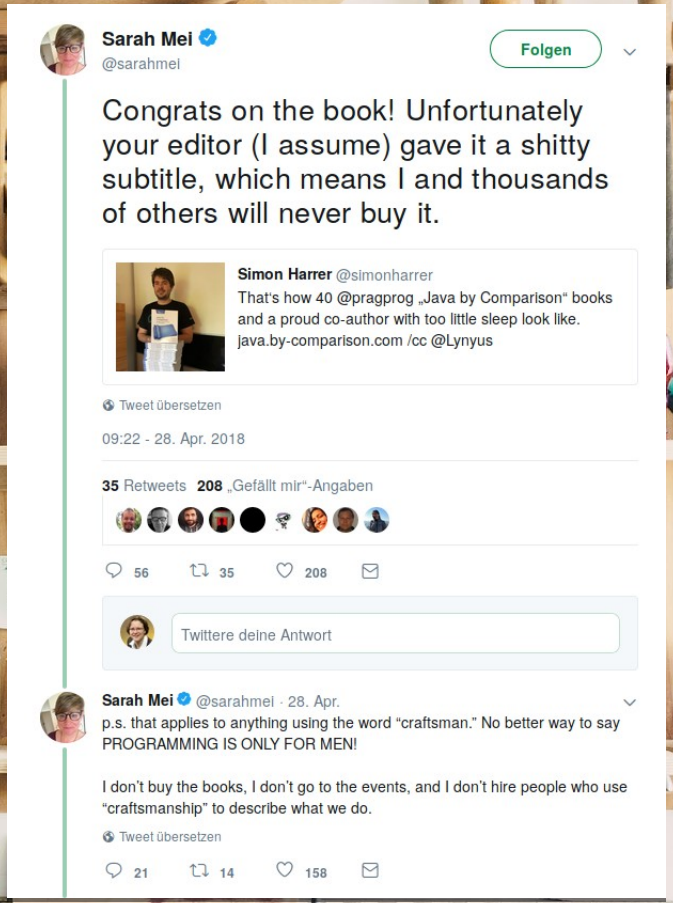
Craftsman?

@SandraParsick // @DataDuke

Starting point of the discussion

https://twitter.com/sarahmei/status/895673739899043841

Overshooting the mark!



https://twitter.com/sarahmei/status/990265064866308096

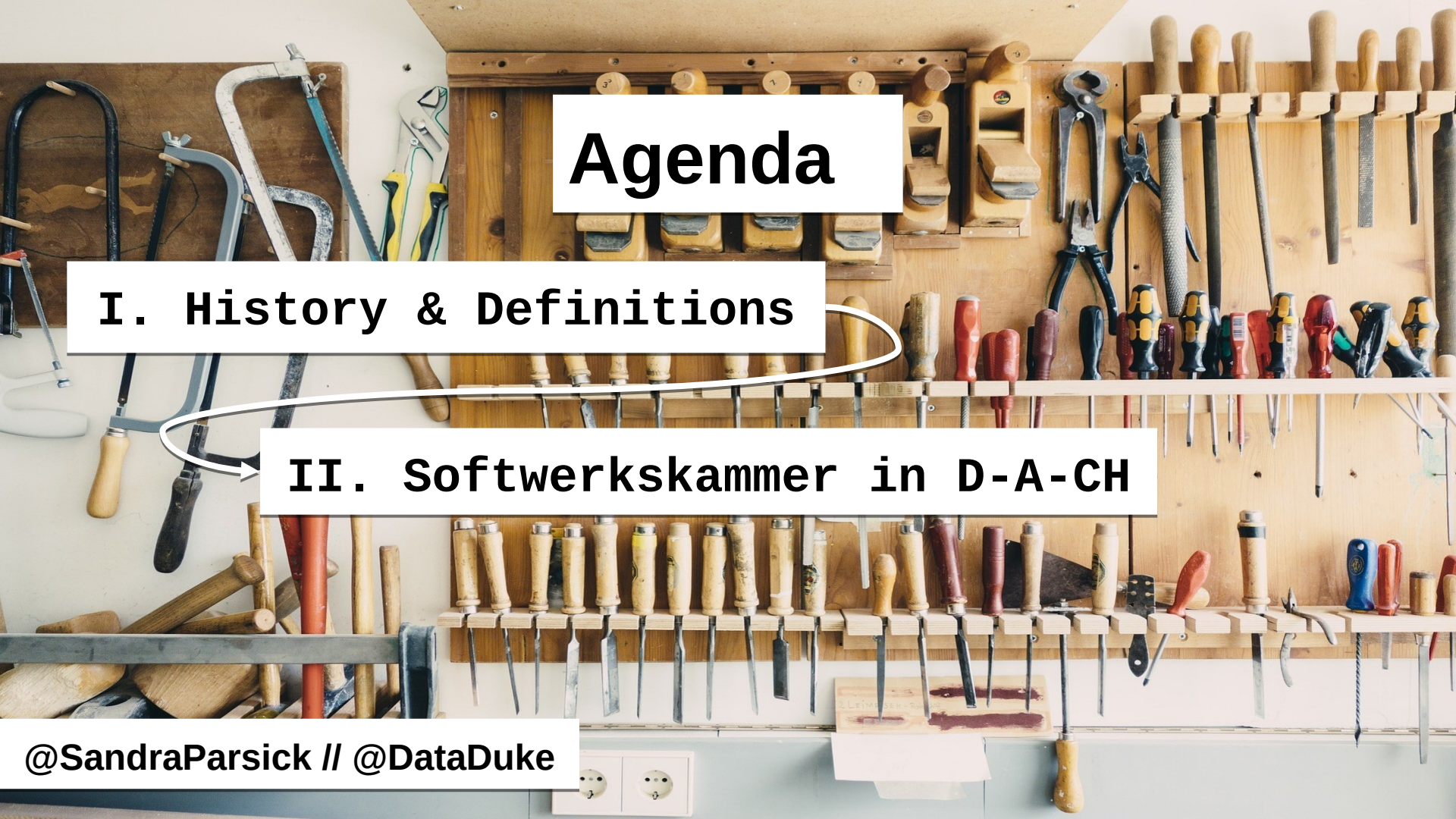
2008 - Manifesto for Software Craftsmanship

http://manifesto.softwarecraftsmanship.org

2009 - First Software Craftsmanship Conference

2011 - First SoCraTes

2014 - The Software Craftsman


Agenda
I. History & Definitions
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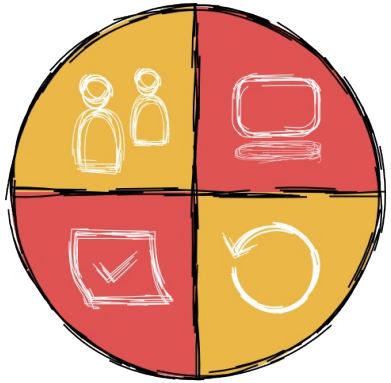
Softwerkskammer

Software Craftsmanship Community in D-A-CH

- Foundation:
  - 2011 on the first SoCraTes
- First regional groups:
  - Karlsruhe
  - Hamburg
  - Münster, Osnabrück, Bielefeld (MOB)
- SoCraTes
  - happens still every year
  - and in several other countries as well

Softwerkskammer

- 29 regional groups
- 2.126 members (softwerkskammer.org)
- 8.553 members (meetup.com)



What about other communities?

Softwerkskammer Ruhrgebiet

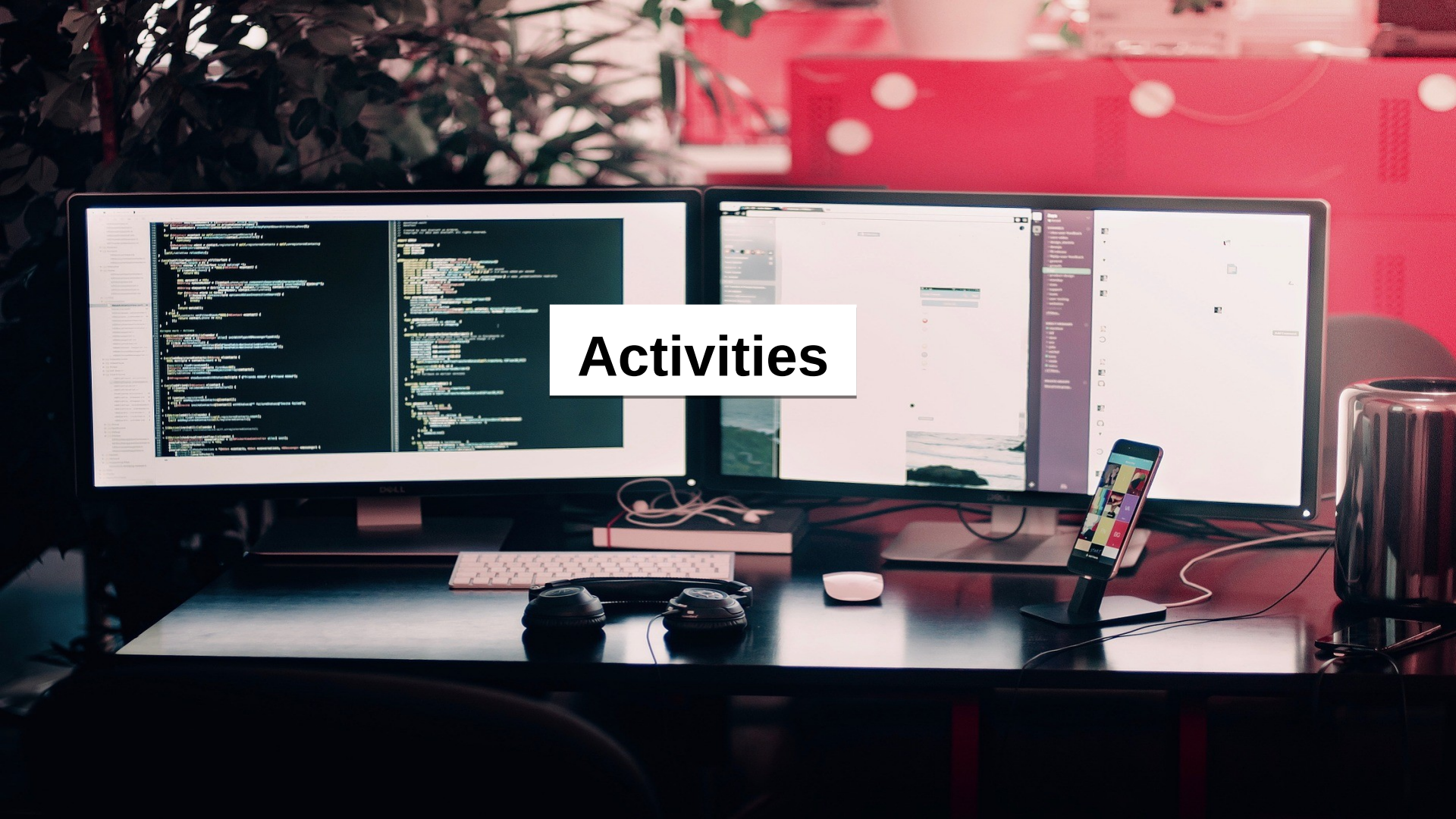
- Founded 2012 in Dortmund as “Softwerkskammer Dortmund”
- In 2017 renamed to “Softwerkskammer Ruhrgebiet”
  - started a second location in Bochum
- Members:
  - 94 on softwerkskammer.org
  - 829 on Meetup
- Twitter: @swk_ruhr
- Slack: http://slack.softwarecrafters.org
  - #ruhrgebiet
- Homepage: https://www.softwerkskammer.org/groups/ruhrgebiet

Our events:

- Twice in the month are meetups:
  - Lean Coffee, Discussions, Birds of feathers
  - Talks
  - Coding Dojos
- Allday-events:
  - Code Retreats
  - Hackergarten
  - Open Space (in planning)

Softwerkskammer Jena

- Founded 2016
- Statistics
  - 282 members on Meetup
  - 391 follower on Twitter
  - 20+ events (~ monthly)
- Channels
  - www.jenadevs.org
  - meetup.com/jenadevs
  - twitter.com/jenadevs
  - SWK Slack: #jenadevs
- Our events
  - Talks & Workshops
  - Coderetreats
  - Hackathons


Activities

Lean Coffee

Lean Coffee

Start one in your city!

Home | Cities with Lean Coffee | Distributed Lean Coffee | deutsche version | Modus Cooperandi | Personal Kanban | Modus Institute

Lean Coffee Lives Here

WHAT IS LEAN COFFEE(tm)?

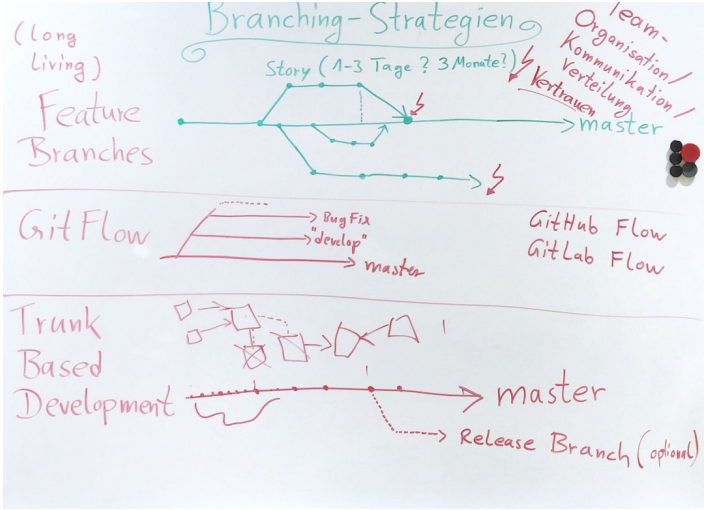
Lean Coffee is a structured, but agenda-less meeting. Participants gather, build an agenda, and begin talking. Conversations are directed and productive because the agenda for the meeting was democratically generated. There are currently dozens of Lean Coffees happening world-wide, including Seattle, San Francisco, Stockholm, Toronto, Boulder, New York City, and more.

WHERE DID LEAN COFFEE START?

Lean Coffee started in Seattle in 2009. Jim Benson and Jeremy Lightsmith wanted to start a group that would discuss Lean techniques in knowledge work – but didn't want to start a whole new cumbersome organization with steering committees, speakers, and such. They wanted a group that did not rely on anything other than people showing up and wanting to learn or create.

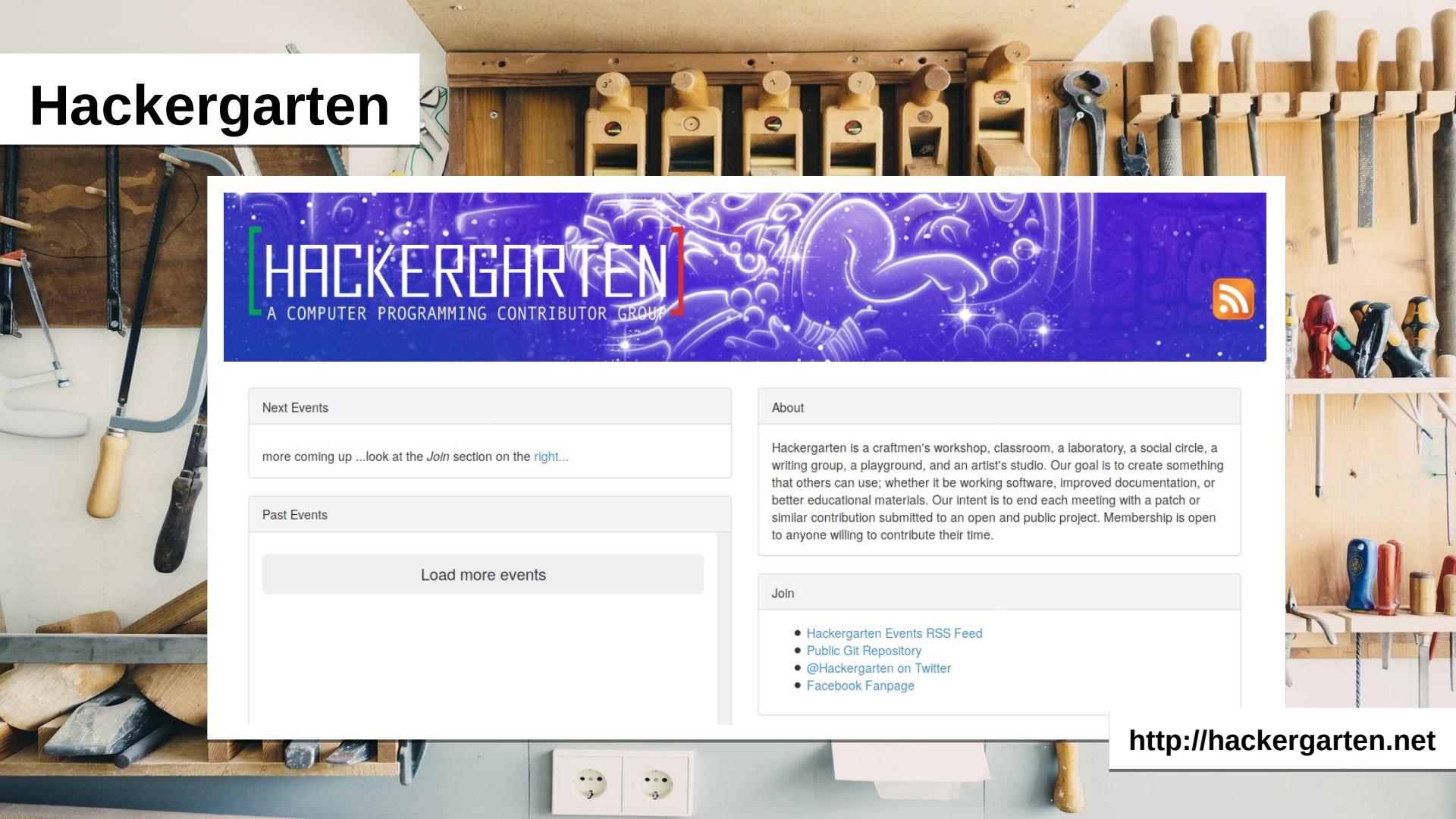
http://leancoffee.org

Birds of Feather



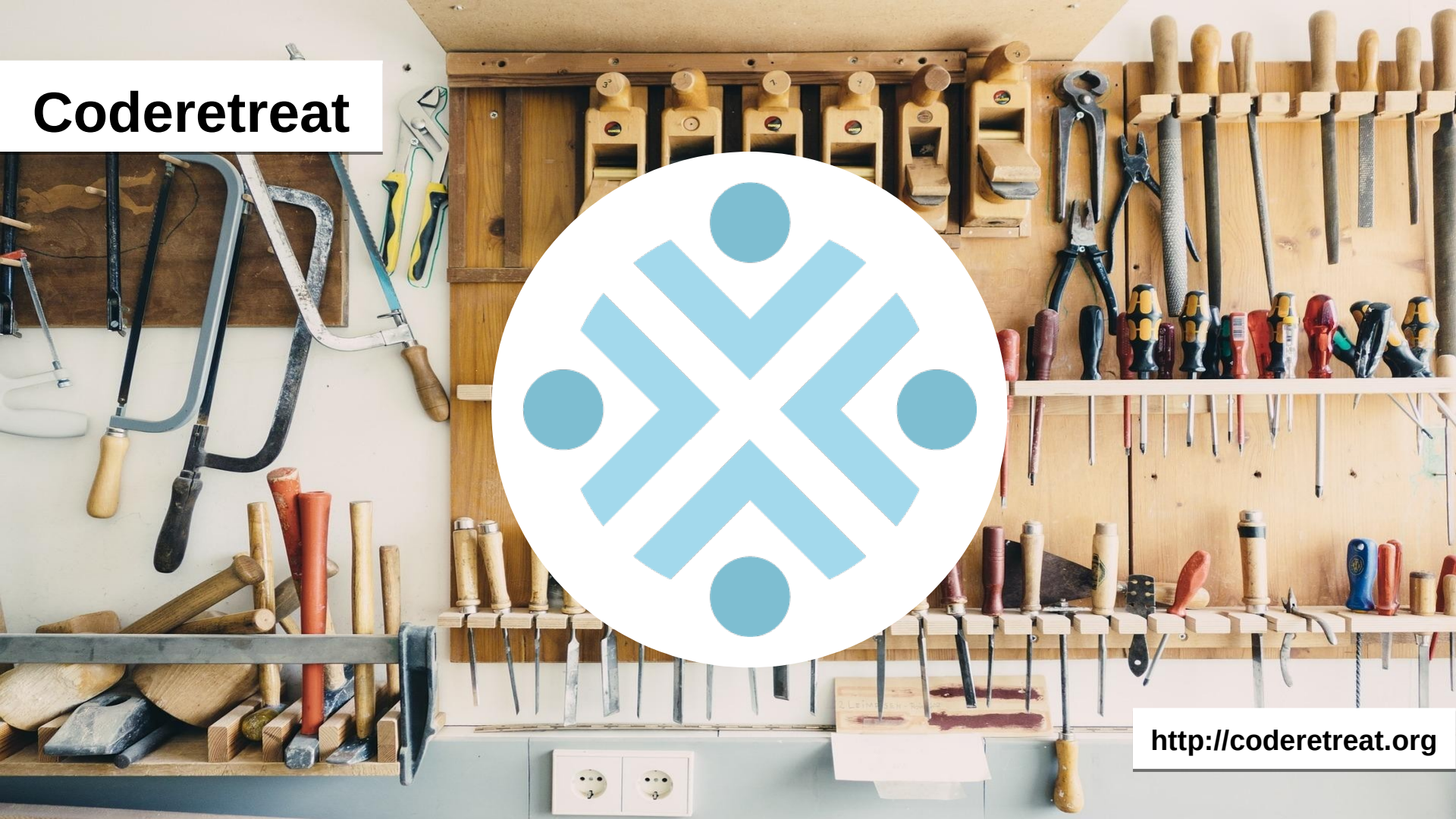
Danke an @memedev für all die Bilder!

Hackergarten



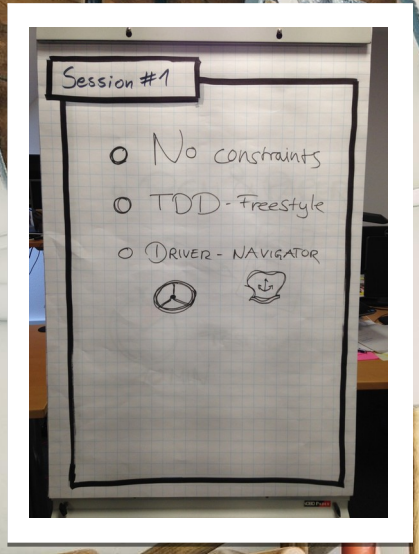
http://hackergarten.net

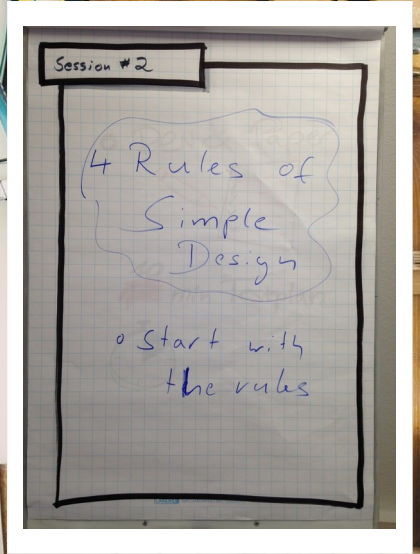
Coderetreat

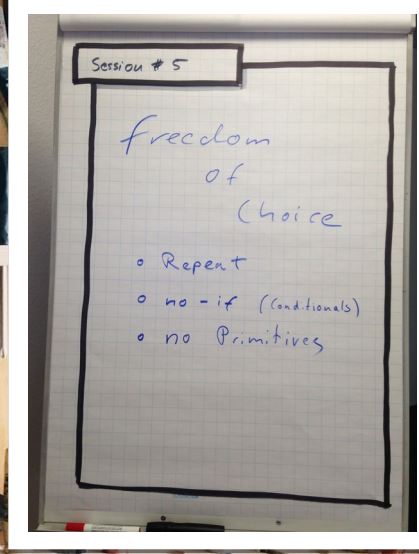


http://coderetreat.org

Coderetreat 45" + 10" + 5"







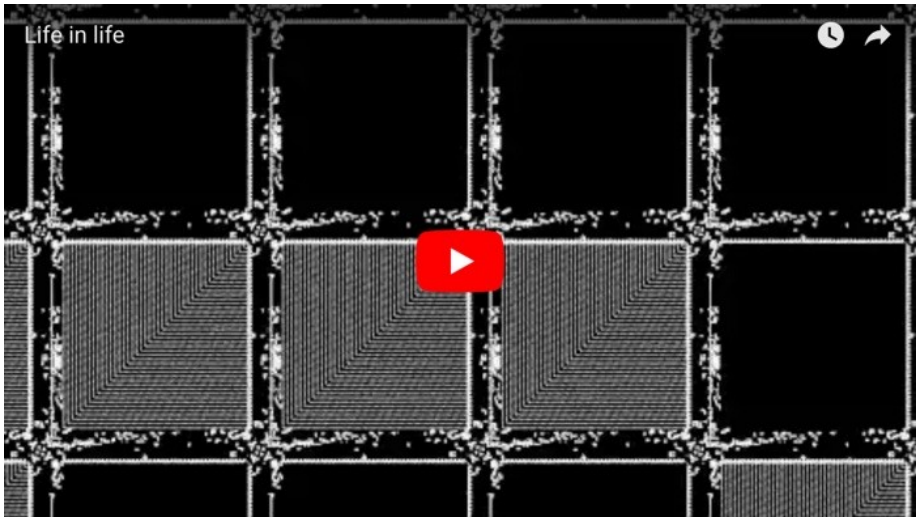
Standard constraints

- **Basic Activities**
  - Ping Pong
  - Navigator-Driver
- **Missing Tool Activities**
  - No Mouse
  - Text Editor only
  - Paper only
- **Missing Feature Activities**
  - No naked primitives
  - No conditional statements
  - No loops

- **Quality-Constraint Activities**
  - Only four lines per method
  - Immutables only, please
- **Stretch Activities**
  - Verbs instead of Nouns
  - Code Swap
  - Mute with find the loophole
  - TDD as if you meant it

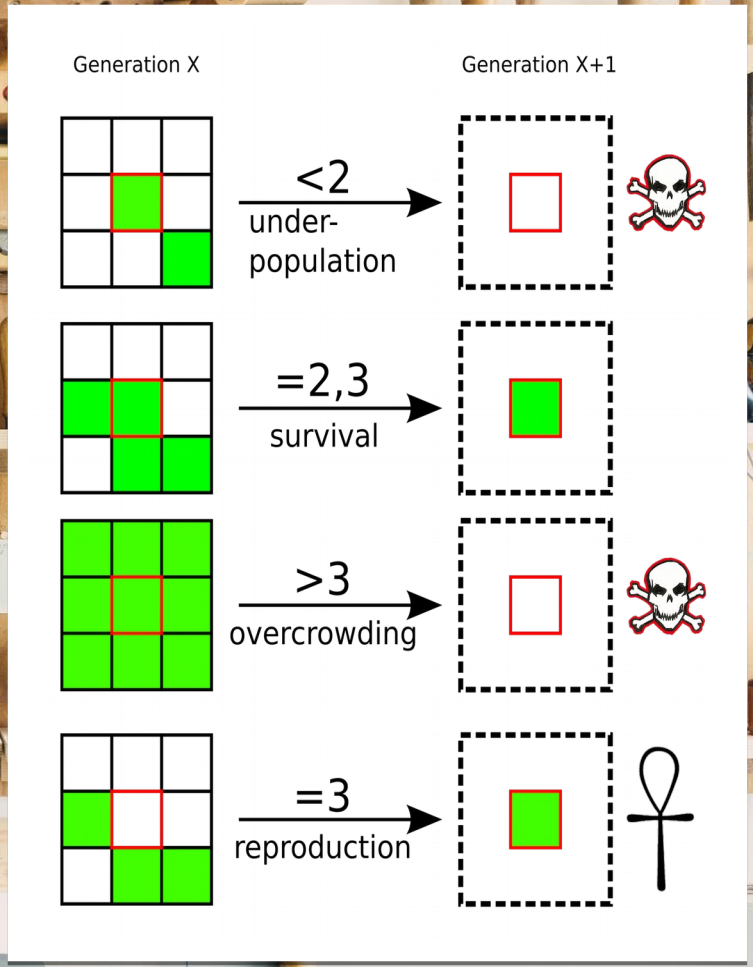
https://www.coderetreat.org/pages/facilitating/activity-catalog

Conway's Game of Life

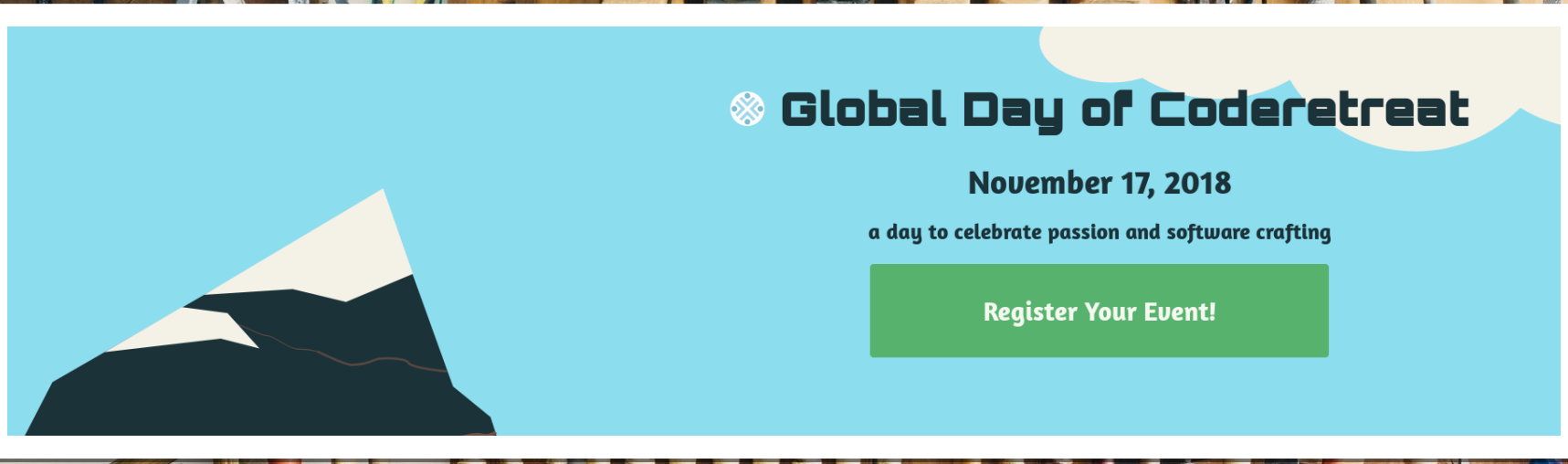


https://youtu.be/xP5-iIeKXE8

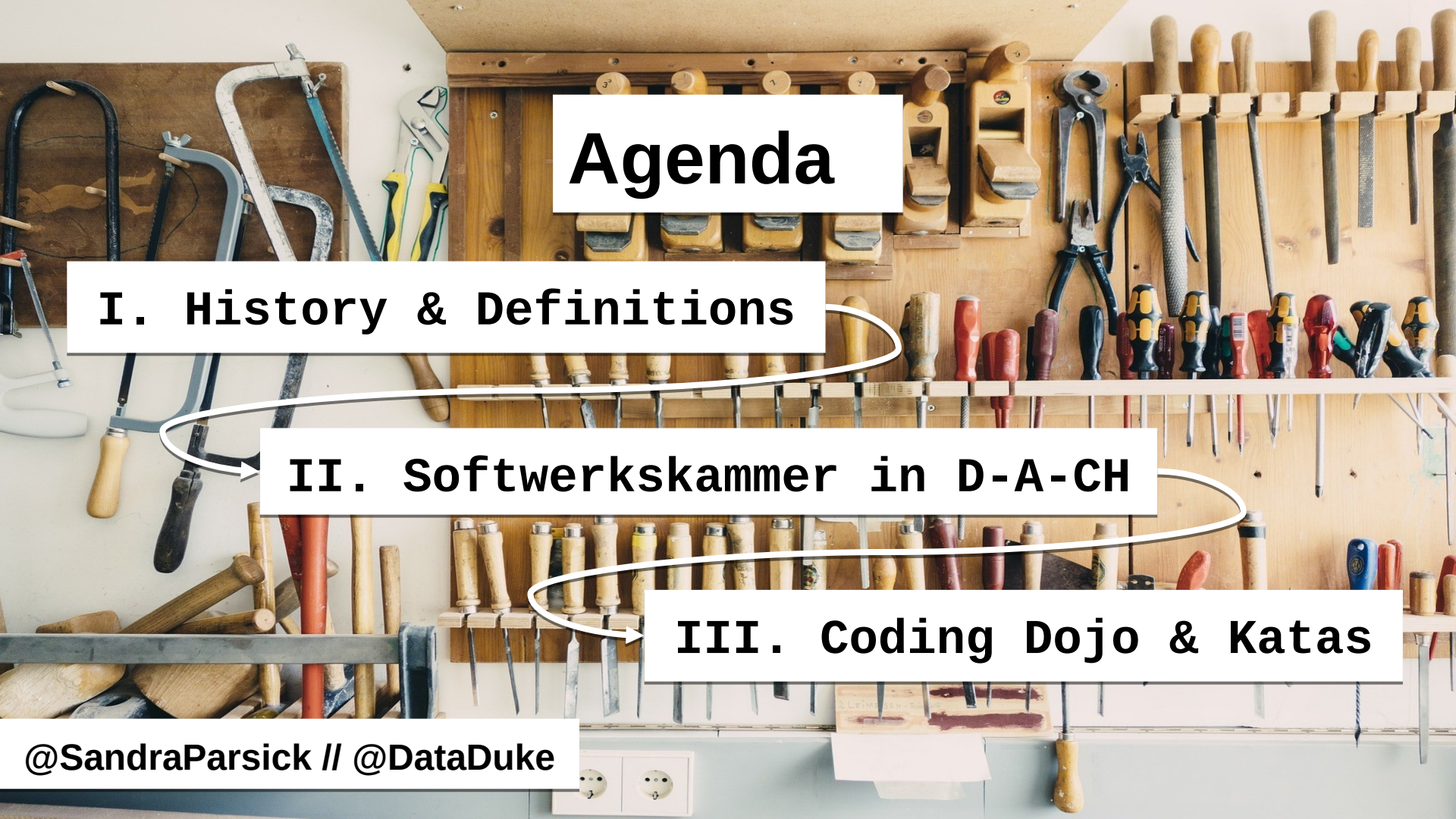
https://github.com/marcoemrich/game-of-life-rules



Global Day Of Coderetreat



http://coderetreat.org



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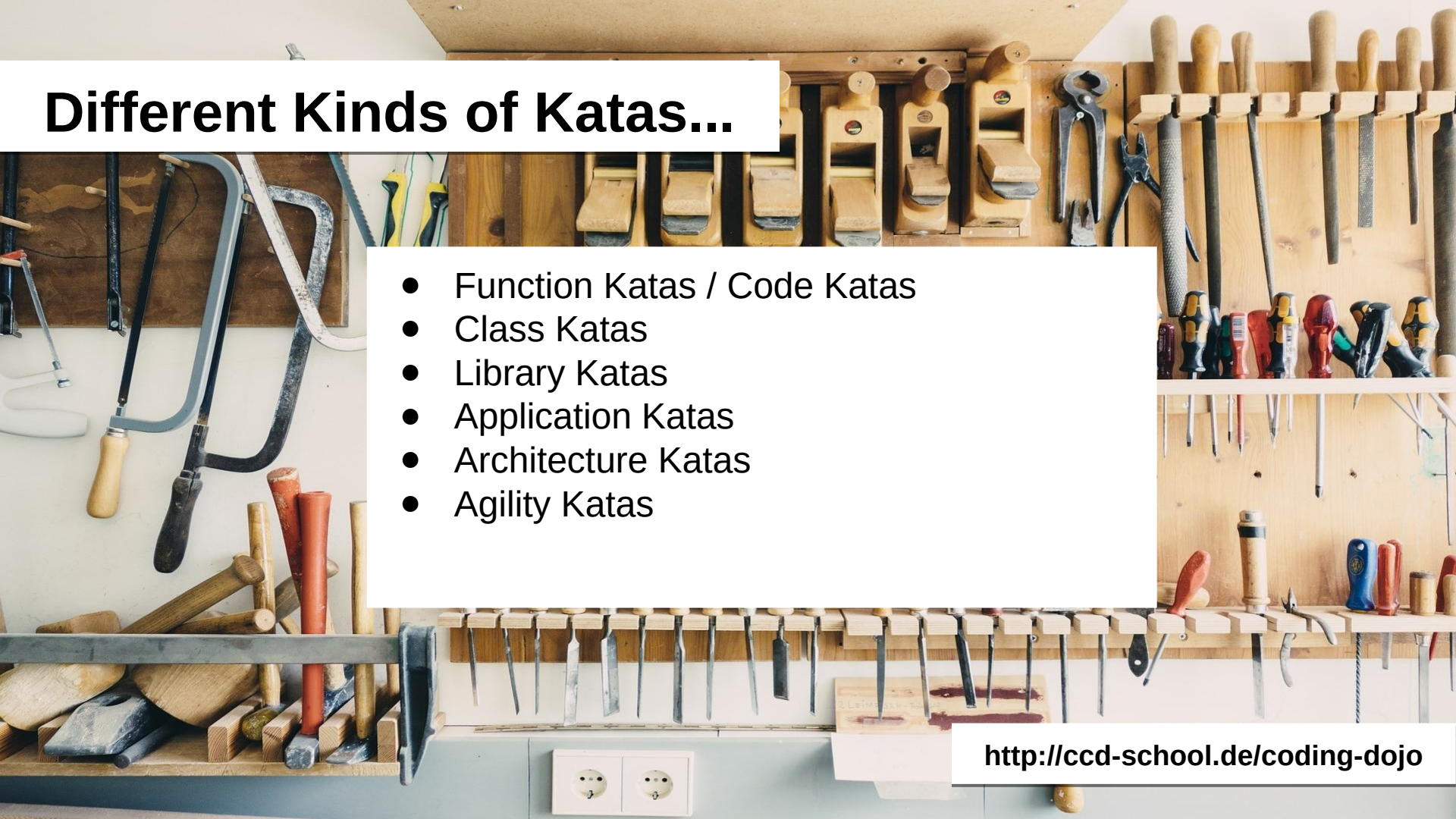
Dojo

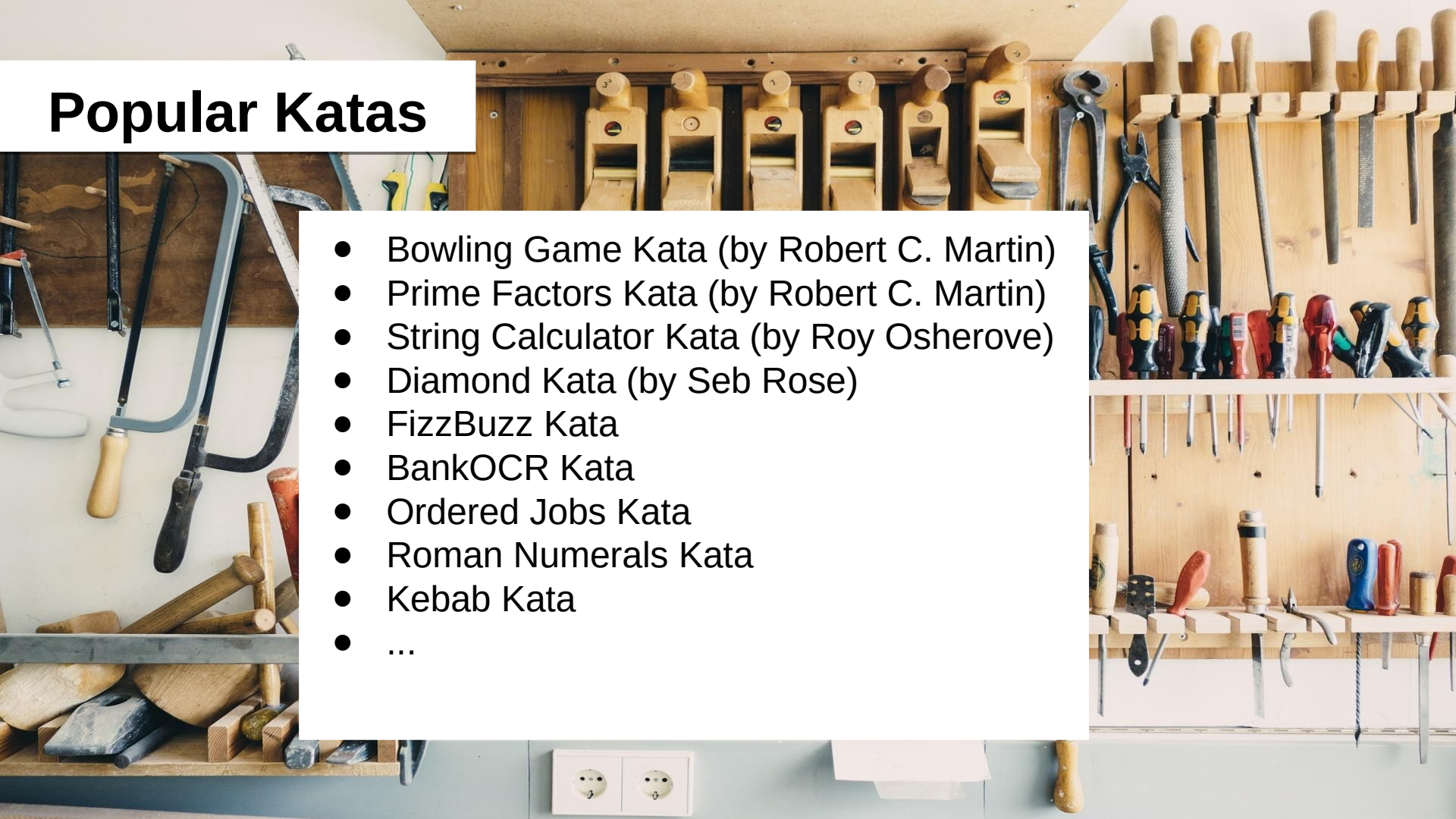
Coding Dojo

Different Kinds of Katas...



- Function Katas / Code Katas
- Class Katas
- Library Katas
- Application Katas
- Architecture Katas
- Agility Katas

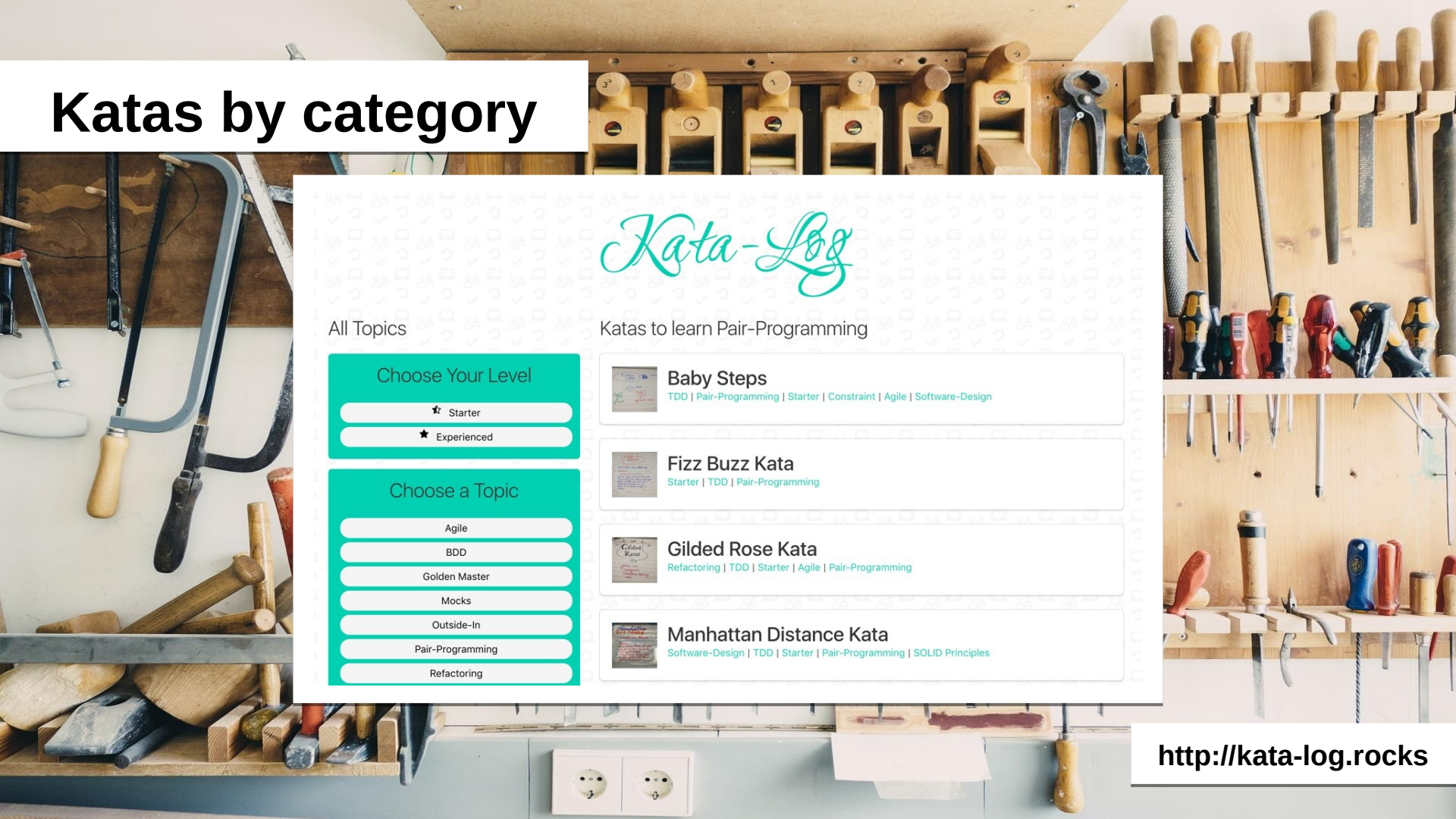
http://ccd-school.de/coding-dojo



Popular Katas

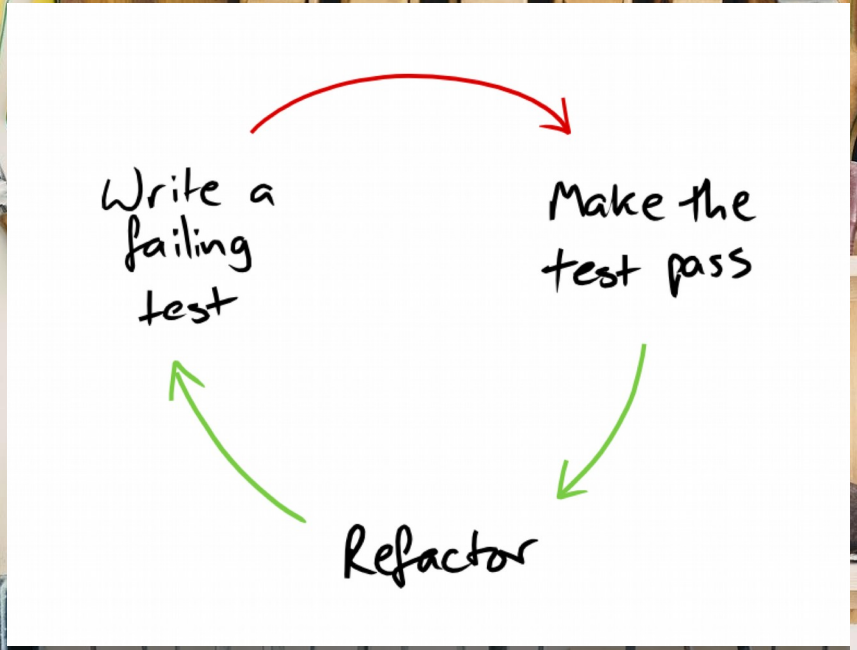
- Bowling Game Kata (by Robert C. Martin)
- Prime Factors Kata (by Robert C. Martin)
- String Calculator Kata (by Roy Osherove)
- Diamond Kata (by Seb Rose)
- FizzBuzz Kata
- BankOCR Kata
- Ordered Jobs Kata
- Roman Numerals Kata
- Kebab Kata
- ...

Katas by category



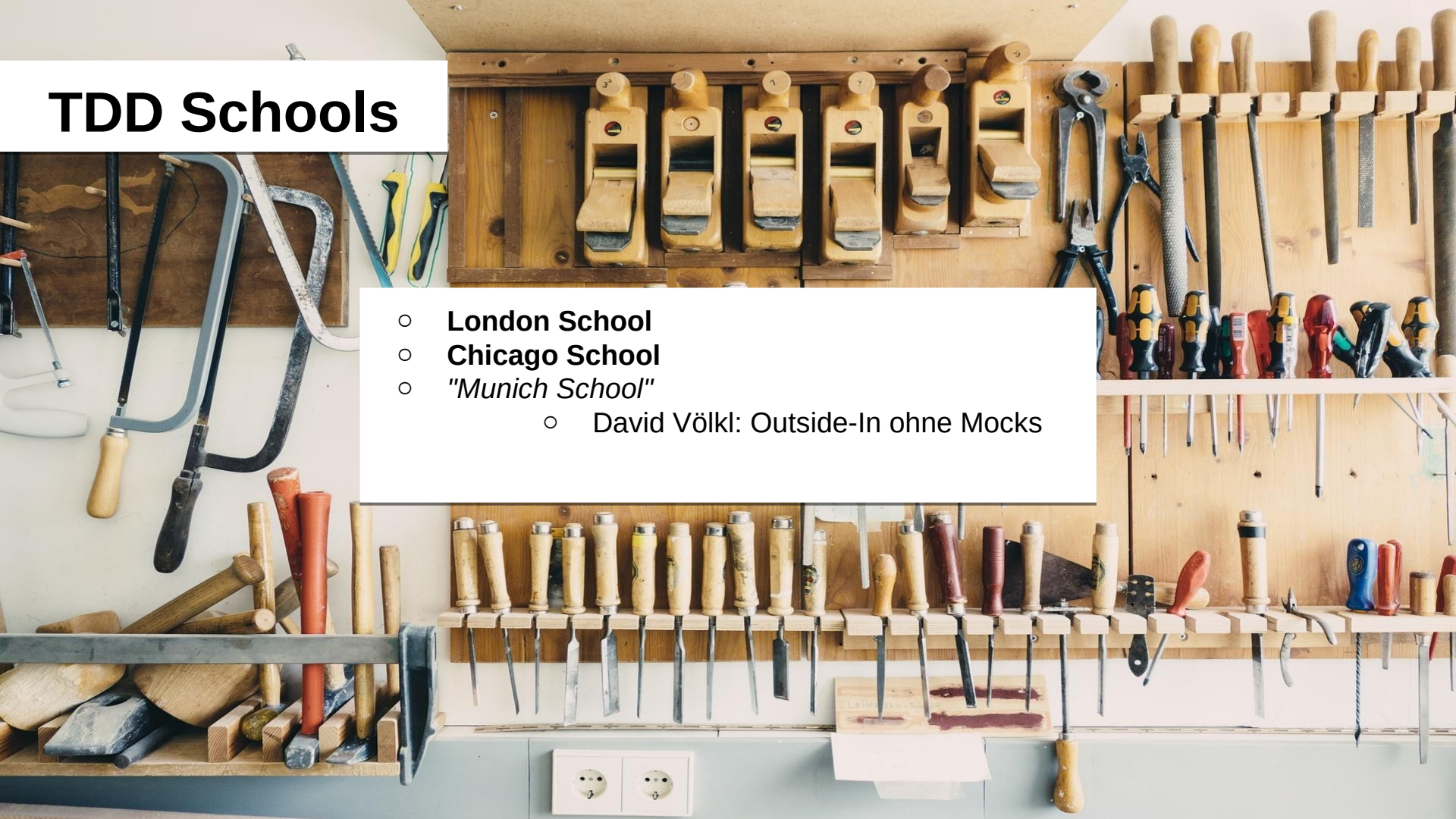
http://kata-log.rocks

TDD is essential!



https://cucumber.io/blog/2017/05/15/intro-to-bdd-and-tdd

TDD Schools



- **London School**
- **Chicago School**
- *"Munich School"*
  - David Völkl: Outside-In ohne Mocks

Questions

twitter.com/SandraParsick

mail@sandra-parsick.de

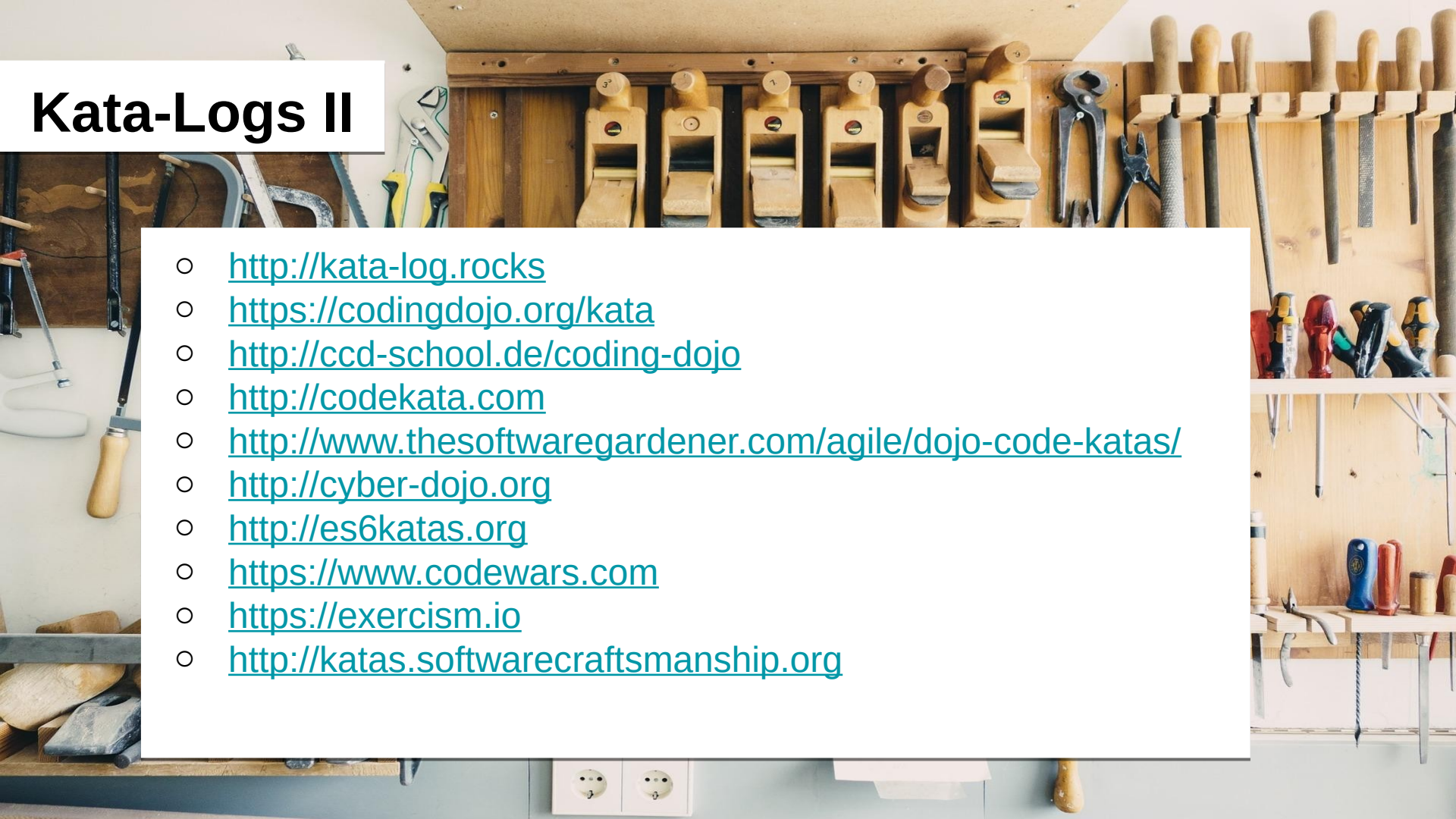
twitter.com/DataDuke

benjamin.nothdurft@codecentric.de

Kata-Logs I

http://leanpub.com/u/emilybache

Kata-Logs II



- http://kata-log.rocks
- https://codingdojo.org/kata
- http://ccd-school.de/coding-dojo
- http://codekata.com
- http://www.thesoftwaregardener.com/agile/dojo-code-katas/
- http://cyber-dojo.org
- http://es6katas.org
- https://www.codewars.com
- https://exercism.io
- http://katas.softwarecraftsmanship.org