Agile Aufwandsschätzung richtig machen

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About me

Kai Brummund
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Uni Hamburg: ITMC
Web- and Appdev
Microsoft Student Partner
Makes Pizza
Likes the winter

Agenda

How we estimate

Agile estimation

When to use it

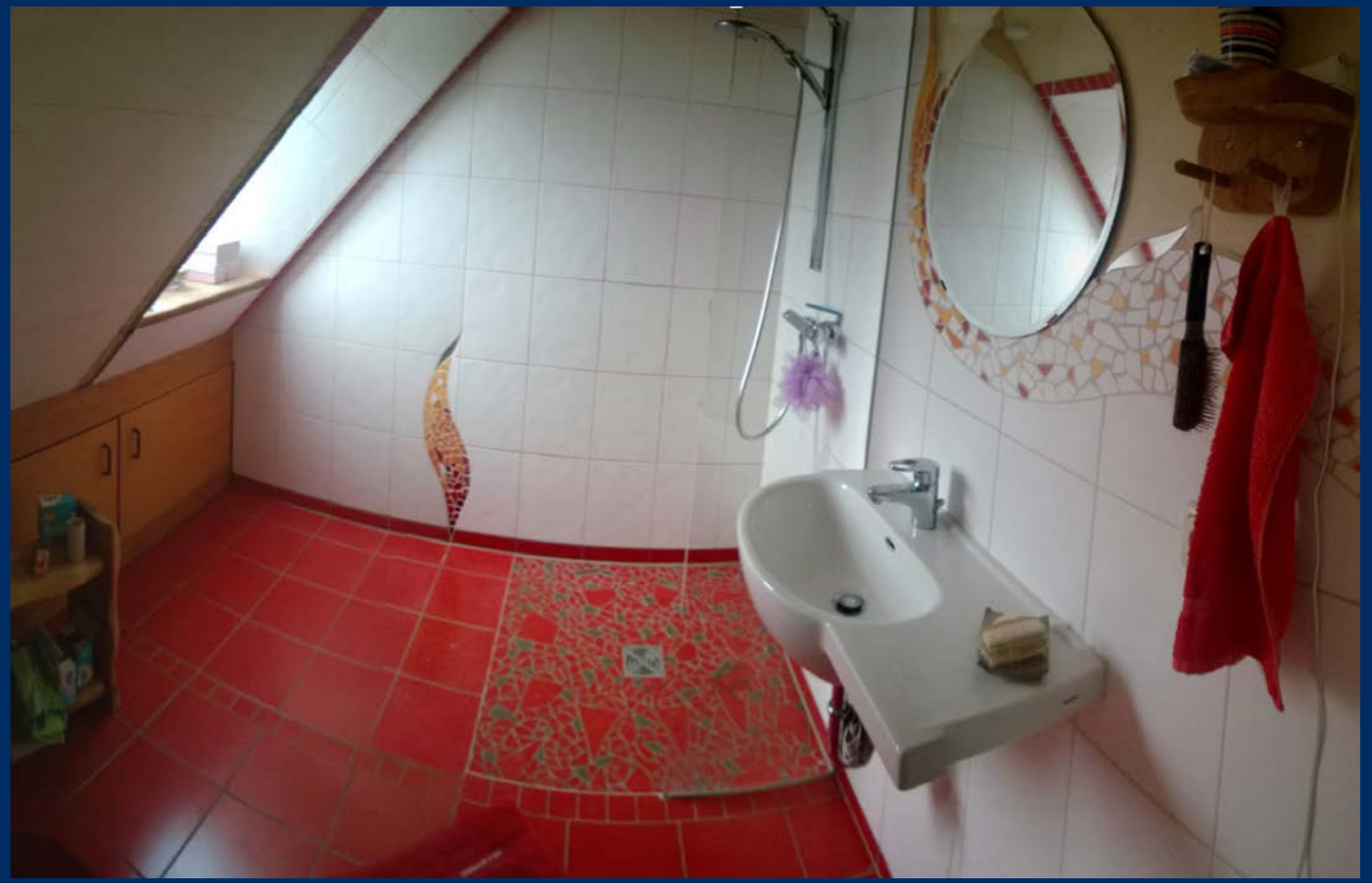
What is an estimation?

“Estimation is the calculated approximation of a result which is usable even if input data may be incomplete or uncertain.”

— Wikipedia

- Problem:
  is that estimates become a unbreakable schedule,
  where any deviation is considered bad

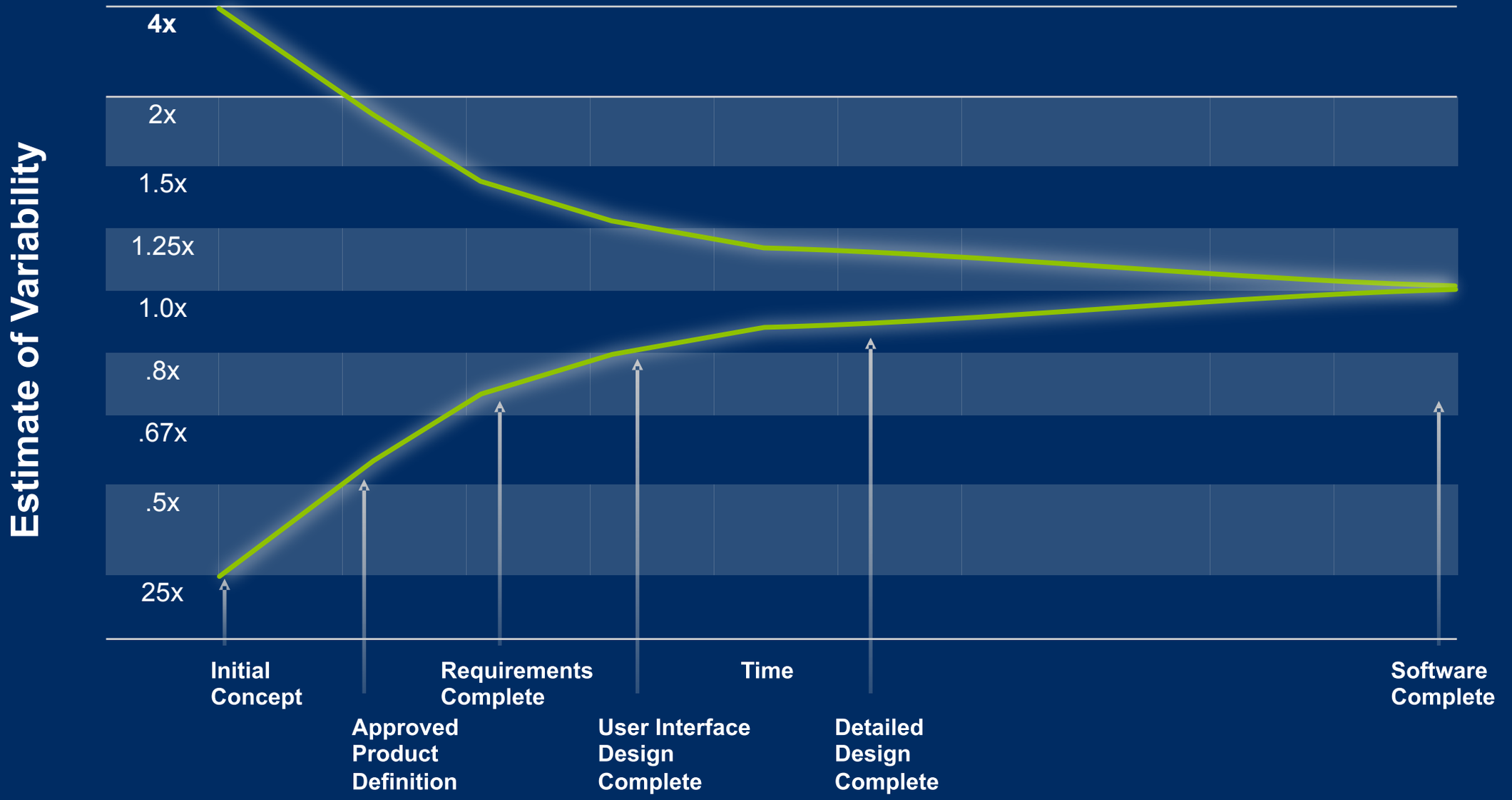
The problem with Estimating



This is a picture of my bathroom.

How big is my house?

The Cone of Uncertainty



Parkinsons Law

Air fills the container.

students syndrome

Start work at the last possible moment in time.

How to Estimate

User stories

Story points

Product backlog

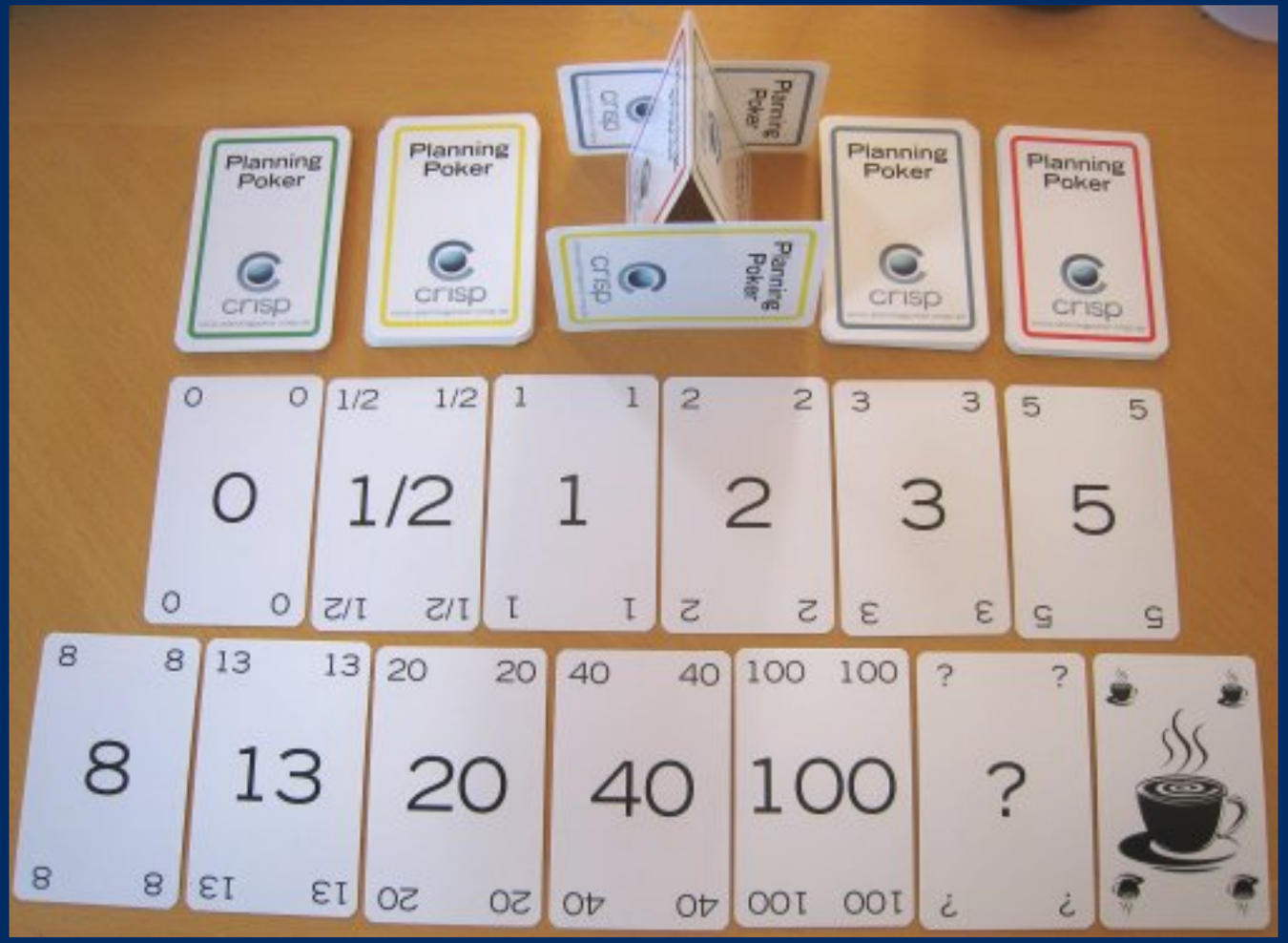
Velocity

Re-estimation

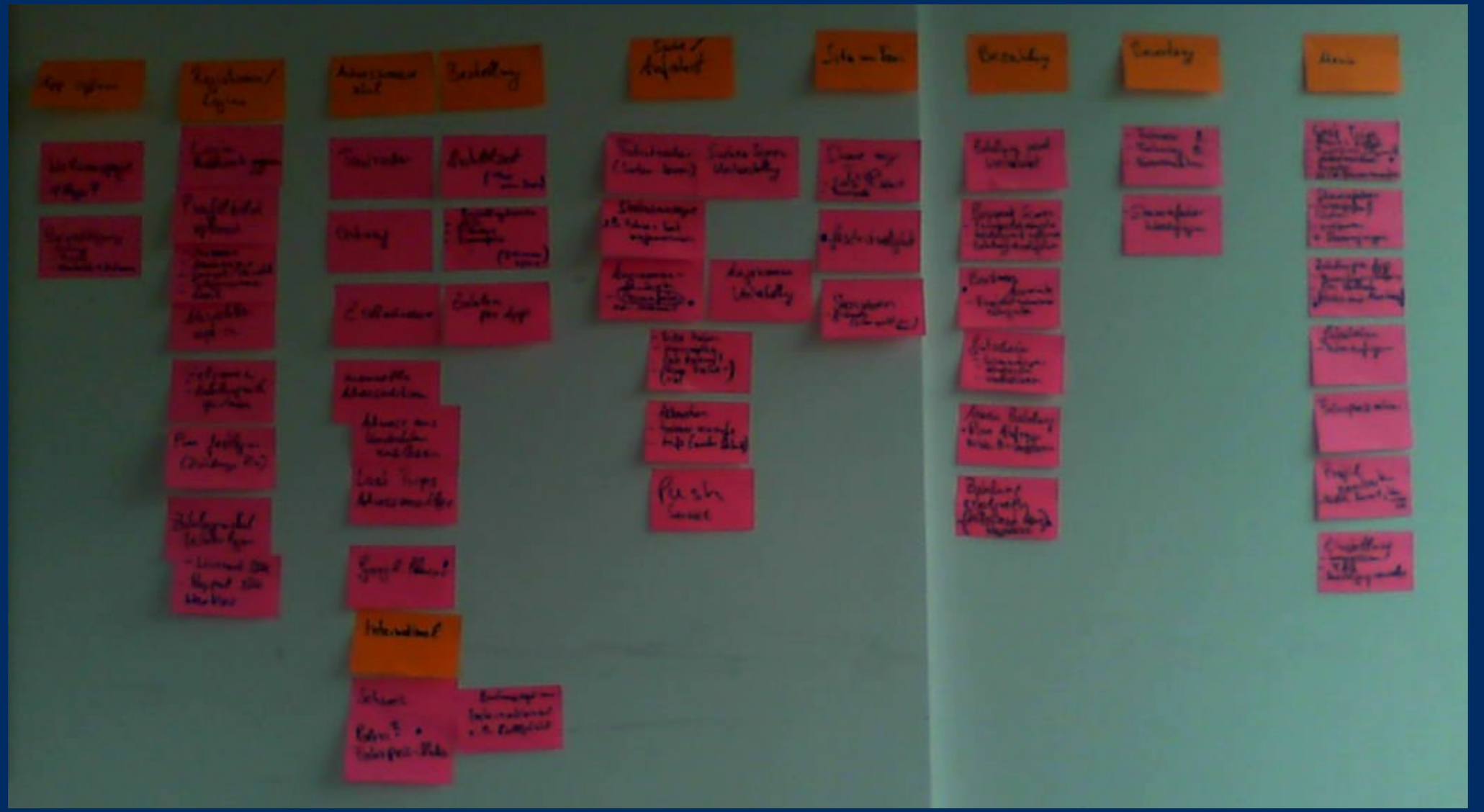
User stories

As <role> I would like to <action> in order to <reason>

Story points



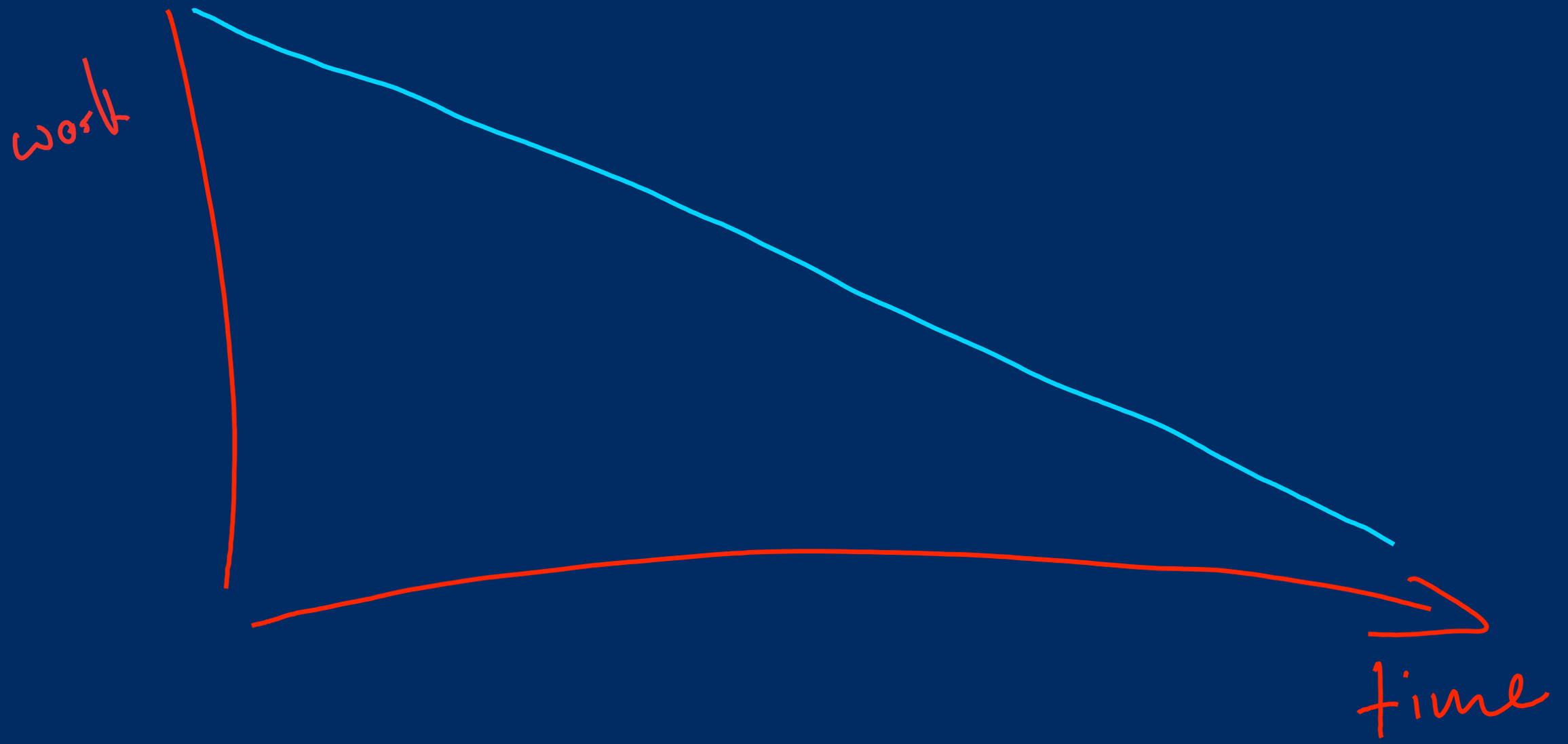
Product Backlog

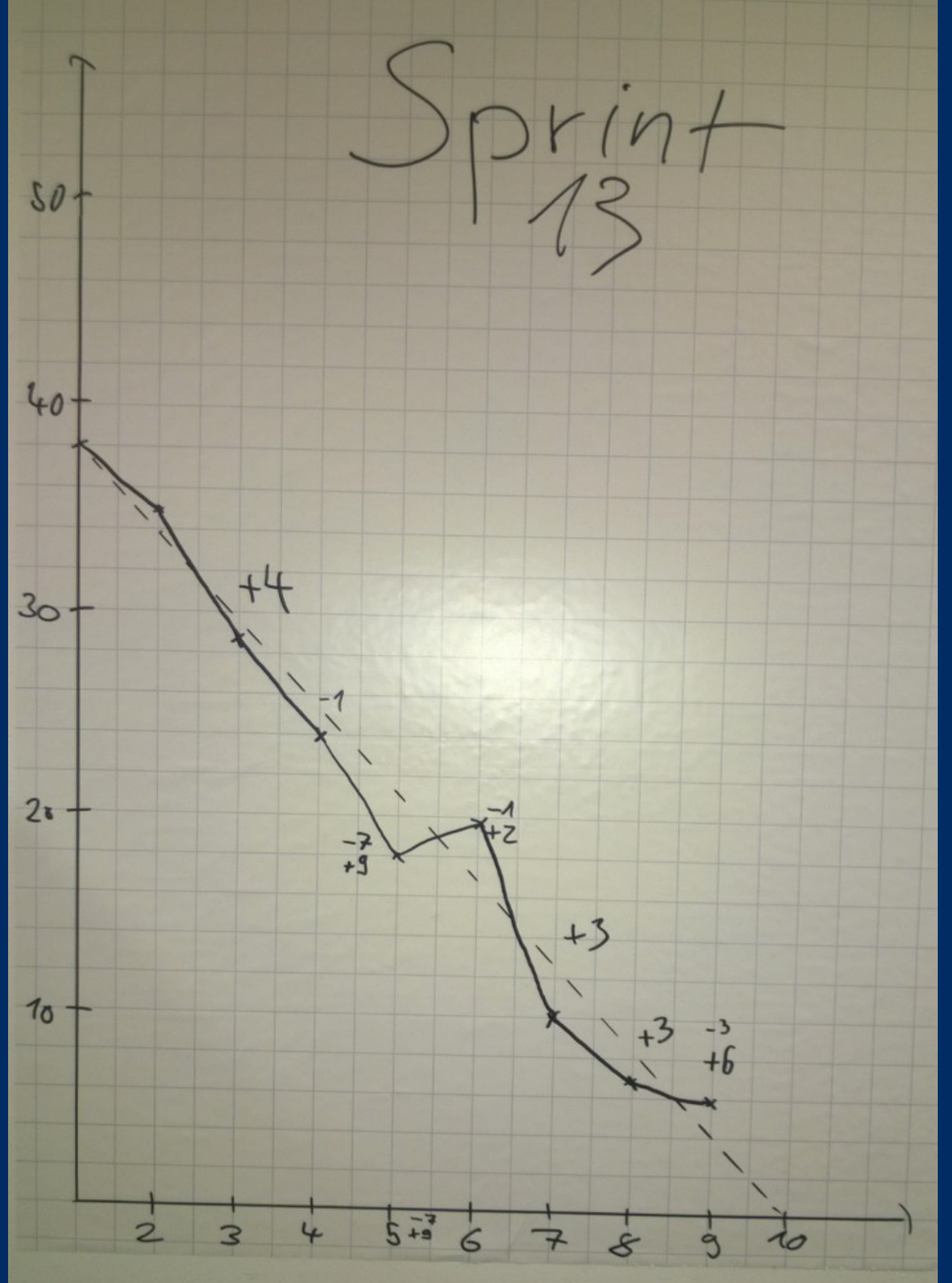


Velocity

	Days
Installation Contao	1
Create the Welcome Page	2
Design the Contact Form	3
Add a User Login	2
Create a Profile Page	3
Test all Features	2
Deploy the Website	1

Velocity

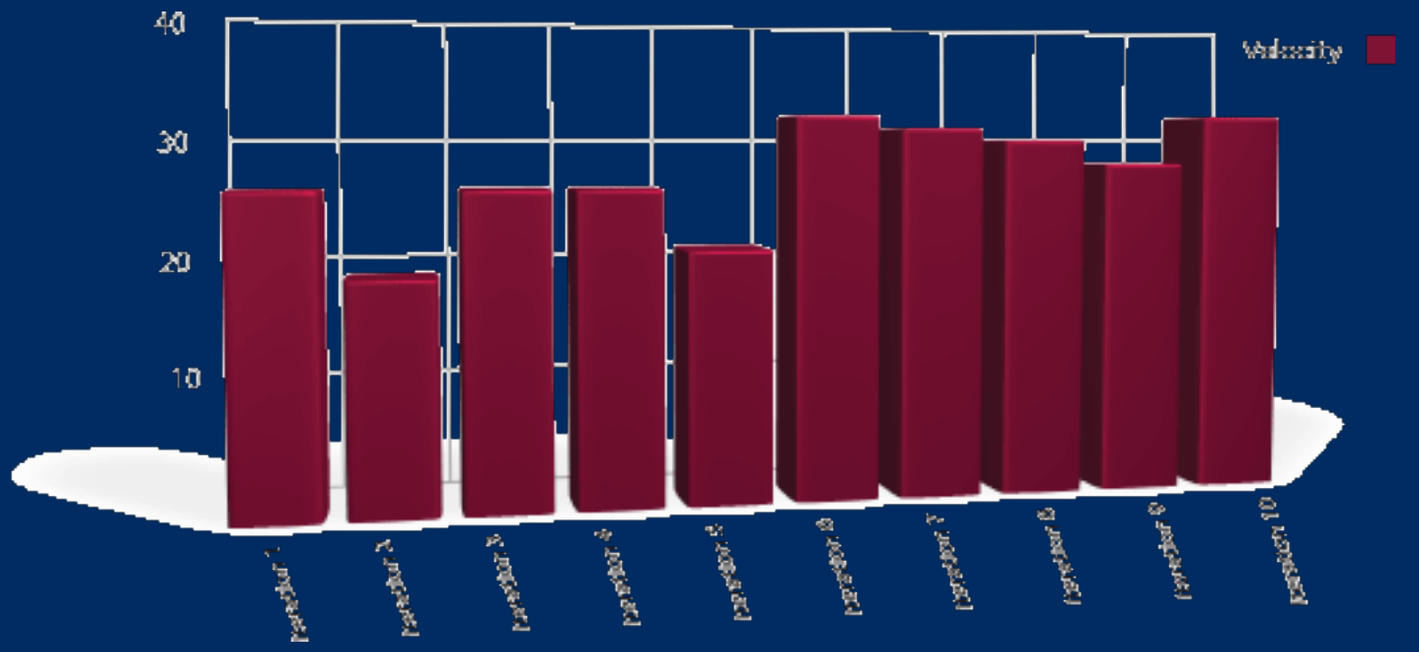



Sprint
13
50
40
30
20
10
+4
-1
-7
+9
-1
+2
+3
+3
-3
+6
2
3
4
5
6
7
8
9
10

Awsome!
+6

Velocity

The cumulative average of how many storypoints are done in one fixed duration.



Re-Estimation

	Sprint 1	Sprint 2	Sprint 3	Sprint 4	Sprint 5
Backlog size at start of sprint	100	99	97	92	85
Sprint Backlog committed	10	8	8	9	9
Sprint Backlog completed	7	8	8	9	9
Team Velocity	7,0	7,5	7,8	8,4	8,7
Items added to Backlog	6	6	5	3	2
Items removed from Backlog	0	0	2	1	2
Sprintes Estimate to Completion	**14,14**	**12,93**	**11,87**	**10,15**	**8,75**
Allocation % for Bugs/Rework	0%	5%	10%	15%	20%
Weighted Sprints to Completion	**14,14**	**13,58**	**13,06**	**11,67**	**10,50**

When to use

Scribbles

Scribbles