

VALAMIS

Valamis ja xAPI - case- esimerkkejä

Jari Järvelä, Valamis Group Oy

15.4.2021



About Valamis

2003

Founded in Finland

230+

Employees

10

Offices globally

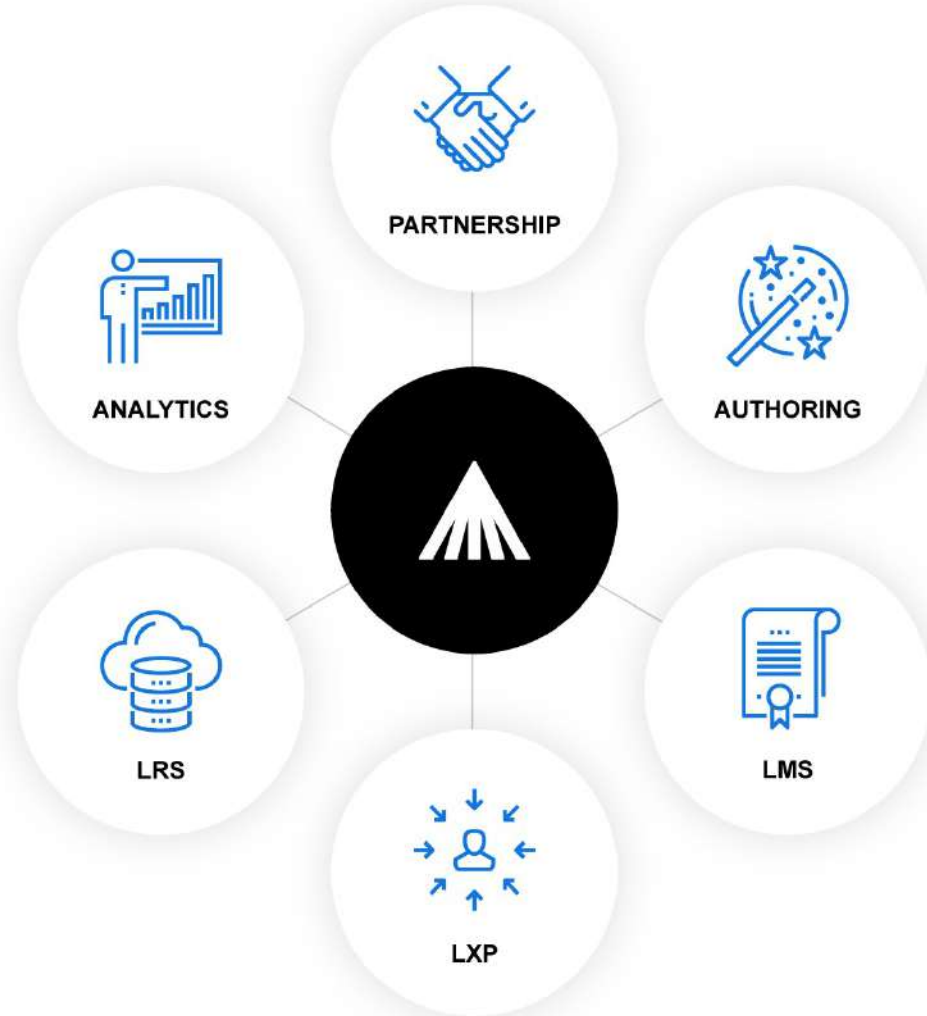
1

Million learners

Valamis builds sustainable digital learning solutions with our global team of experts in customer-driven design, data science, corporate performance, and knowledge management.

Unique end-to-end solution

Valamis is a complete learning ecosystem allowing you to upskill and scale up, while streamlining the learning stack and reducing costs with one strategic partner.



xAPI data analytiikan pohjana

Lessons

How are the lessons rated?
When are the users active in the lessons?
How successfully are the users completing the lessons?
What are the top lessons?

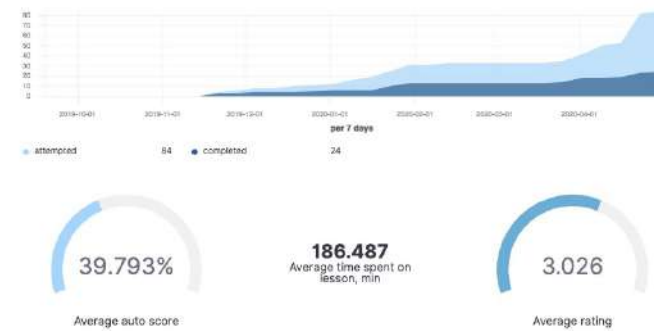
Creator
Select...

Course
Select...

Lesson
Select...

User
Select...

User Actions

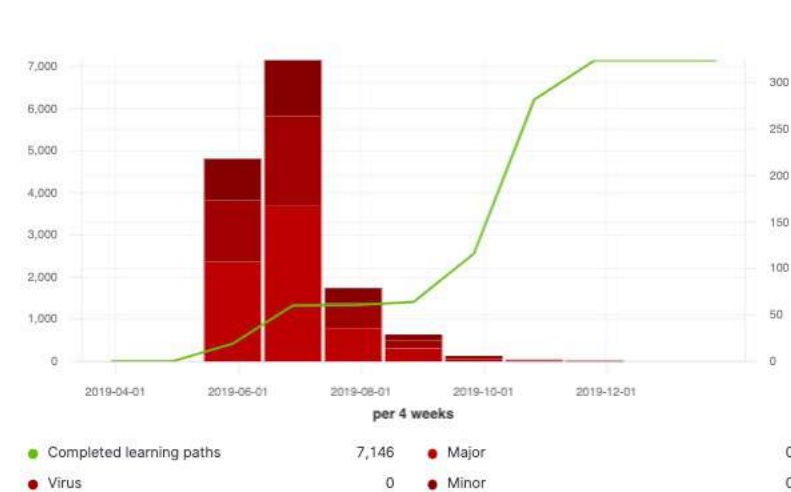


Top Lessons by Attempts and Completion

Information

Lesson
ACME Lesson: Ten
ACME Lesson: Green
Safe Skills: Defense
Safe Skills: Staff
ACME Lesson: Template
Common Record 2020 Sexual Harassment and Abusive Conduct Prev

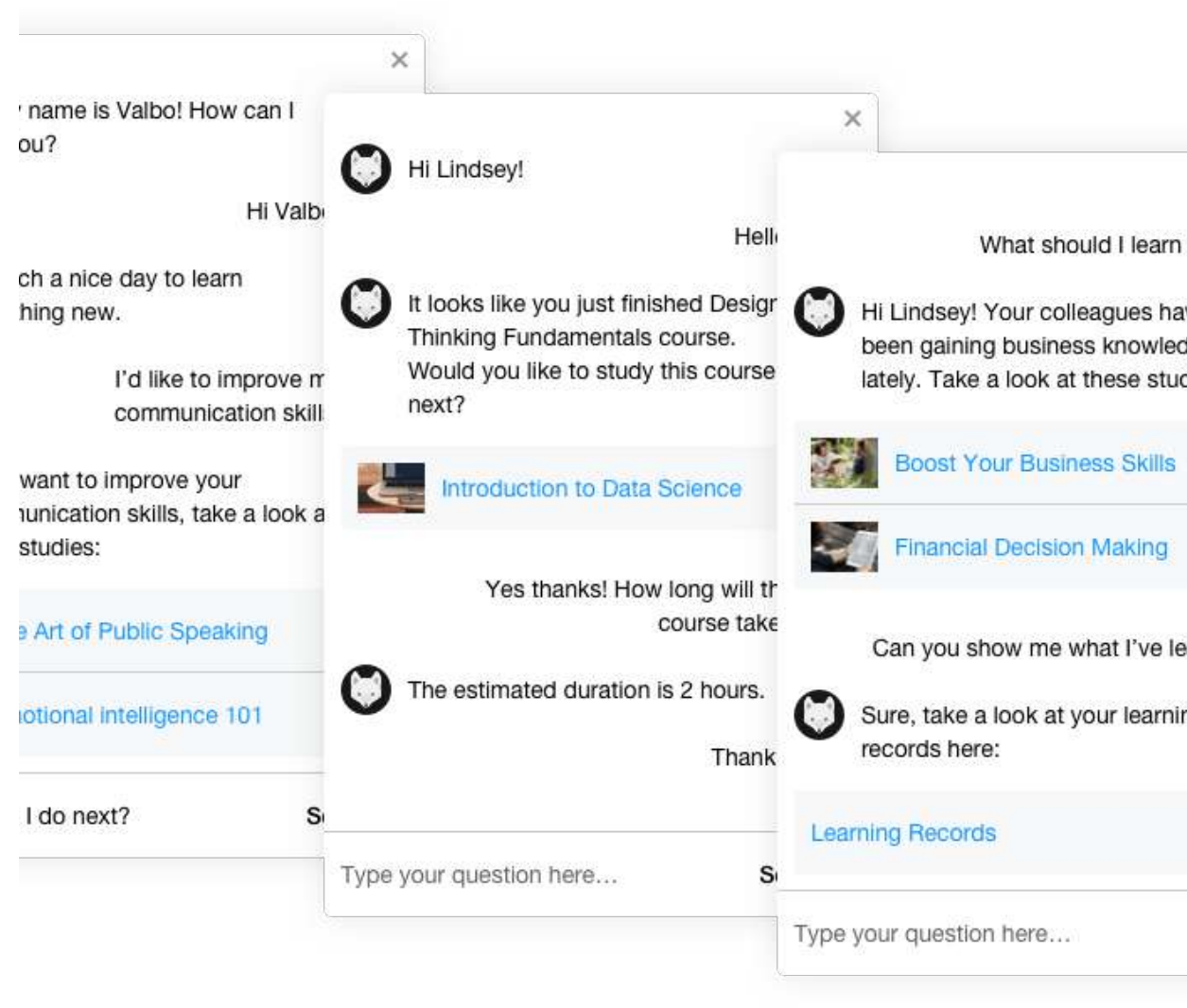
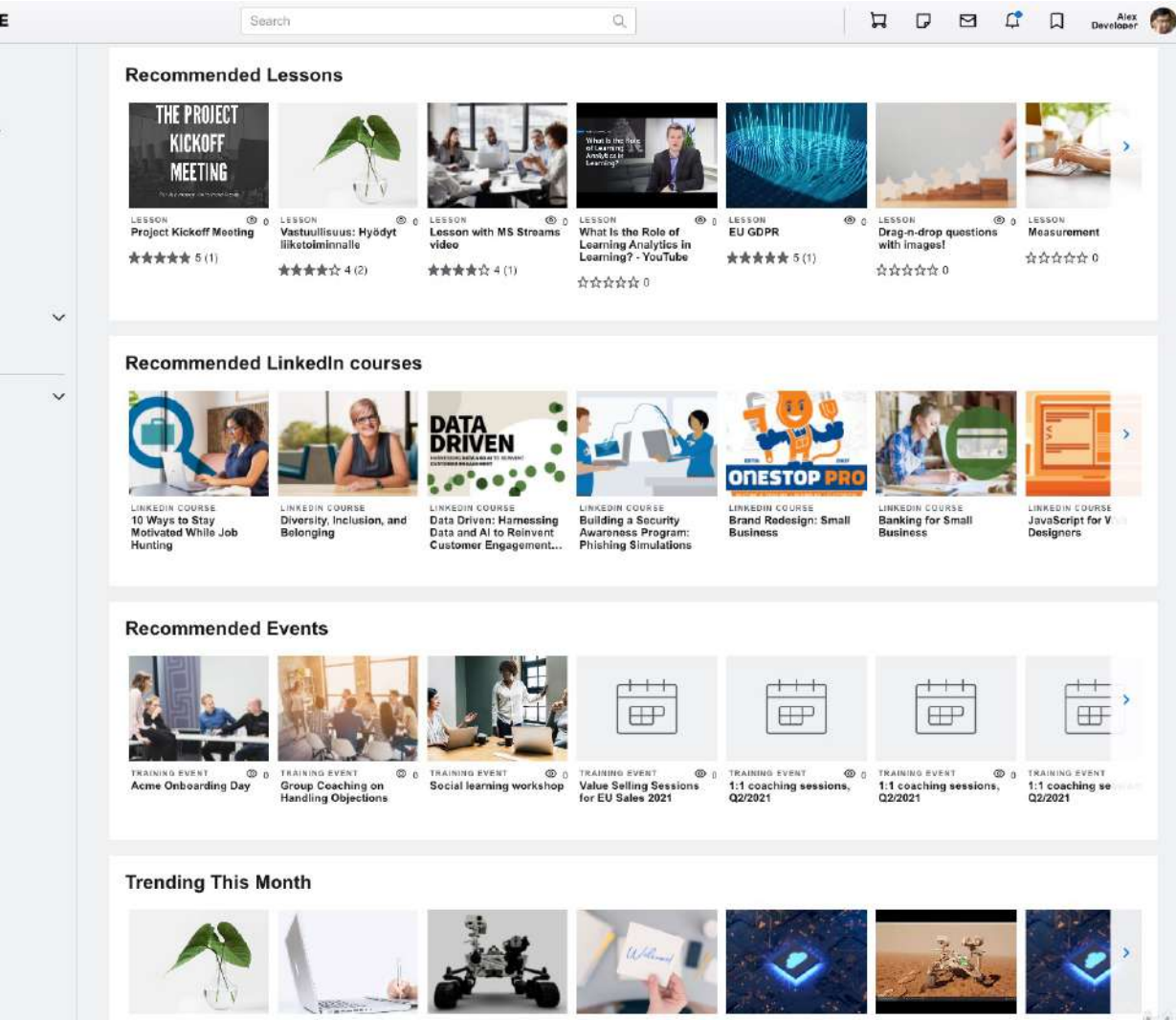
Correlation between completed Security training and incidents



- 2021-01-12T12:57:19.588Z 10d6083f-074a-aae8-48aa-ad2844be1b04 **completed** 'Lesson with MS Streams video' (version 1.5) with score **100%**
- 2021-01-12T12:56:45.813Z 10d6083f-074a-aae8-48aa-ad2844be1b04 **experienced** 'Page 1'
- 2021-01-12T12:56:45.601Z 10d6083f-074a-aae8-48aa-ad2844be1b04 **attempted** 'Lesson with MS Streams video' (version 1.5)
- 2021-01-12T12:56:35.055Z 10d6083f-074a-aae8-48aa-ad2844be1b04 **completed** 'Lesson with MS Streams video' (version 1.5) with score **100%**
- 2021-01-12T12:56:22.326Z 10d6083f-074a-aae8-48aa-ad2844be1b04 **experienced** 'Page 1'
- 2021-01-12T12:56:22.095Z 10d6083f-074a-aae8-48aa-ad2844be1b04 **attempted** 'Lesson with MS Streams video' (version 1.5)
- 2021-01-12T12:55:51.887Z 10d6083f-074a-aae8-48aa-ad2844be1b04 **completed** 'Lesson with MS Streams video' (version 1.5) with score **100%**
- 2021-01-12T12:55:46.446Z 10d6083f-074a-aae8-48aa-ad2844be1b04 **experienced** 'Page 1'
- 2021-01-12T12:55:40.231Z 10d6083f-074a-aae8-48aa-ad2844be1b04 **attempted** 'Lesson with MS Streams video' (version 1.5)
- 2021-01-12T12:55:09.545Z 10d6083f-074a-aae8-48aa-ad2844be1b04 **completed** 'Lesson with MS Streams video' (version 1.5) with score **100%**
- 2021-01-12T12:55:05.091Z 10d6083f-074a-aae8-48aa-ad2844be1b04 **experienced** 'Page 1'
- 2021-01-12T12:55:04.838Z 10d6083f-074a-aae8-48aa-ad2844be1b04 **attempted** 'Lesson with MS Streams video' (version 1.5)
- 2021-01-12T11:26:36.972Z 10d6083f-074a-aae8-48aa-ad2844be1b04 **unset** 'http://eu.demo.valamis.io/valamis/groups/usergroup/0'
- 2021-01-12T11:26:34.824Z 10d6083f-074a-aae8-48aa-ad2844be1b04 **set** 'http://eu.demo.valamis.io/valamis/groups/usergroup/0'
- 2021-01-12T10:35:02.846Z b048a2d4-2eec-d29b-1b52-b87844067729: http://eu.demo.valamis.io **scored** 'Consulting' with score **40%**
- 2021-01-12T10:35:02.845Z b048a2d4-2eec-d29b-1b52-b87844067729: http://eu.demo.valamis.io **favorited** 'Consulting'
- 2021-01-12T10:35:02.881Z b048a2d4-2eec-d29b-1b52-b87844067729: http://eu.demo.valamis.io **defined** 'Consulting' with score **60%**
- 2021-01-12T10:28:01.246Z b048a2d4-2eec-d29b-1b52-b87844067729: http://eu.demo.valamis.io **completed** 'Company introduction' (version 1.0) with score **100%**
- 2021-01-12T10:27:39.880Z b048a2d4-2eec-d29b-1b52-b87844067729: http://eu.demo.valamis.io **sought** 'https://v4-demo.northeurope.cloudapp.azure.com/valamis/lessons/a9baa0bc-79db-4834-8443-846535919f20/files/71.mp4'
- 2021-01-12T10:27:39.432Z b048a2d4-2eec-d29b-1b52-b87844067729: http://eu.demo.valamis.io **experienced** 'Product'
- 2021-01-12T10:27:34.404Z b048a2d4-2eec-d29b-1b52-b87844067729: http://eu.demo.valamis.io **experienced** 'Page 2'
- 2021-01-12T10:27:34.144Z b048a2d4-2eec-d29b-1b52-b87844067729: http://eu.demo.valamis.io **attempted** 'Company introduction' (version 1.0)
- 2021-01-12T10:27:25.507Z b048a2d4-2eec-d29b-1b52-b87844067729: http://eu.demo.valamis.io **completed** 'Safety for employees - Slips, trips and falls for employees'
- 2021-01-12T10:27:25.428Z b048a2d4-2eec-d29b-1b52-b87844067729: http://eu.demo.valamis.io **experienced** 'Safety for Employees: 06. Slips, Trips, and Falls for Employees'
- 2021-01-12T10:27:18.163Z b048a2d4-2eec-d29b-1b52-b87844067729: http://eu.demo.valamis.io **attempted** 'Safety for employees - Slips, trips and falls for employees'

More...

xApi data suosittelussa



VALAMIS

Case 1.

Duke University – xAPI data lääketieteen
simulaatioissa.



Simulaatio – oireet ja potilaan tutkiminen

☰ Randomized Simulation A



Randomized Simulation A

Neuro exam v.2016-02-12T15:05:31.150Z

EHR Fullscreen Vitals Tools

CONVERSATION

1. Doctor introduction
2. Awareness
3. Speech
4. Memory
5. Visual fields
6. Visual acuity
7. Fundoscopic exam
8. Pupil reflexes
9. Extraocular movements
10. Facial sensation
11. Facial strength
12. **Foot movement**
13. Tongue movement
14. Strength
15. Reflex
16. Sensation
17. Coordination
18. Gait
19. Delayed recall

VITALS

145/95 BP

68 Heart rate

98.6 Temper

TOOLS



ME

- Ask the patient: "Hello, I am Dr. Smith. What brings you here today?"
- Ask the patient to write how he is.
- Record findings in EHR

Simulaatio – Potilaan aivot

☰ Randomized Simulation B



Randomized Simulation B

The screenshot displays the 'Randomized Simulation B' interface. On the left, a 'Deficit List' contains two items: '1. Mental Status' and '2. Speech Comprehension'. The central area features a 3D anatomical model of a human brain with red vessels, set within a semi-transparent head shell. Navigation controls, including a directional pad and zoom in/out buttons, are positioned above the model. A toolbar at the bottom left contains icons for dissection, undo, redo, and a play/pause button. The bottom right corner includes the 'BIODIGITAL HUMAN' logo. On the right side, a 'CONVERSATION' panel shows the user 'PRECEPTOR' and provides 'Navigation Instructions' for interacting with the brain model.

Fullscreen

CONVERSATION

PRECEPTOR

Navigation Instructions

Click around on different parts of the brain. The name will be displayed as you click on each subsection.

Click on the head and hold down the mouse to rotate the brain model.

Toggle the dissect tool on the lower right to remove a subsection. To undo dissect, dissect button need to be in toggle on mode.

Transparent mode and isolate mode are only work for the artery section.

Toggle on and off the tools by using mouse. The keys will not work.

Familiarize yourself with each brain subsection, then click on a deficit on the left followed by the corresponding part of the brain that is responsible for that deficit.

ME

powered by
BIODIGITAL HUMAN

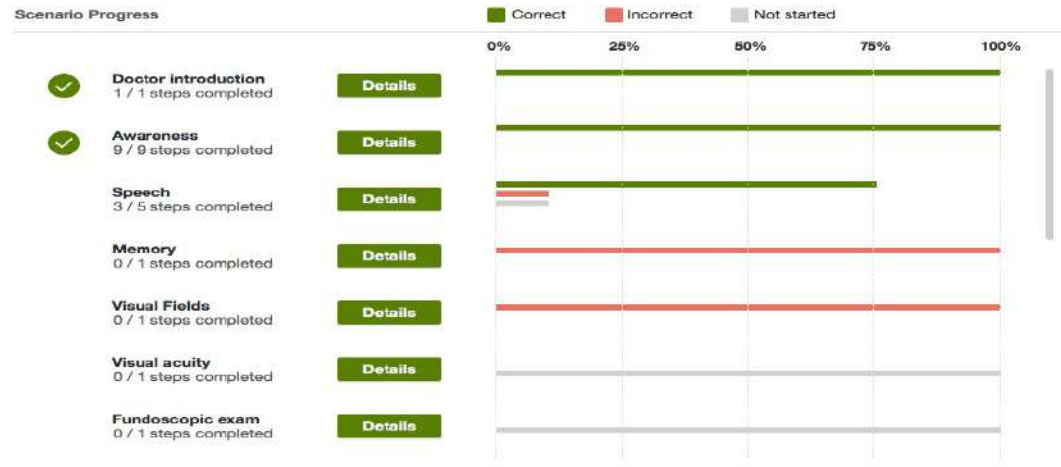
Välitön palaute ja debriefing



ILE@D Home

Debrief

Scenario	Progress
+ Left MCA superior division (frontal/anterior)	COMPLETED 100%
+ Left MAC inferior division (parietal/temporal/posterior)	COMPLETED 100%
+ Left MCA deep territory (internal capsule)	COMPLETED 100%
- Left MCA M1 (frontal/parietal)	IN PROGRESS 20%



VALAMIS

Case 2.

xAPI and learning data as a driver for
change of learning culture in an
international professional services company



xAPI ja oppimisdata apuna oppimiskulttuurin muutoksessa

- Asiakkaana kansainvälinen asiantuntijayritys (UK ja Yhdysvallat)
- Valamis digitaalisena oppimisympäristönä oman henkilöstön ja sidosryhmissä toimivien asiantuntijoiden koulutuksessa
- Tavoitteena oppimiskulttuurin muutos -> ”top-down” –koulutuksista kohti itseohjautuvaa oppimista
- Digitaalisessa oppimISRatkaisussa on perinteinen LMS alue ja lisäksi omaehtoista oppimista tukeva palvelukokonaisuus suositteluiineen
- Dataa hyödynnetään oppimiskulttuurin muutoksen edistymisen seurannassa ja ohjauksessa

Balance experiences for different learning styles

	Customer 2600 users	Benchmark 1 10 000 users	Benchmark 2 3 000 users	Benchmark 3 200 users
Average minutes per week, per user	19.1	13.1	8.5	4.9
Time spent on internal content (lesson, learning path etc.)	43%	62%	17%	100%
Time spent on events	31%	5%	83%	0%
Time spent on external content (LinkedIn Learning)	27%	33%	0%	0%

Balanced distribution of learning experiences compared to benchmarks. Time divided per events / internal / external content is quite equal.

Early experiences from LMS are proving to lead users into satisfactory adoption for Non-formal learning opportunities utilisation.

User engagement

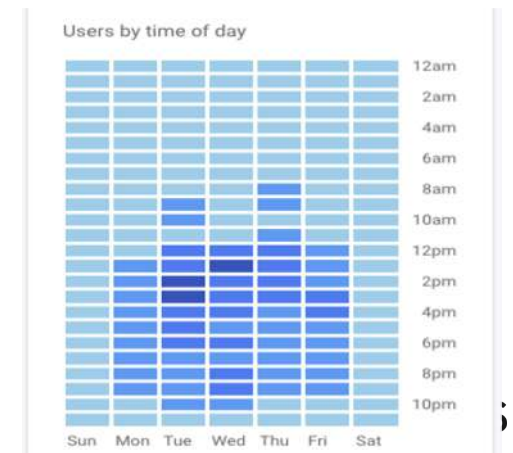
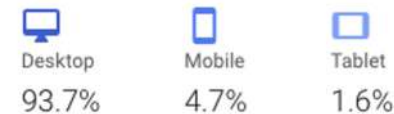
Over 50% of users are active on weekly or monthly basis

60% of sessions include learning activity

Customer is performing well against large-firm benchmarks in user engagement

	Customer 2600 users	Benchmark 1 10 000 users	Benchmark 2 3 000 users	Benchmark 3 200 users
Sessions with learning activity	60%	54%	31%	81%
Average time in between sessions (days)	12.1	25.0	20.8	9.2
Weekly users	11%	5%	4%	19%
Monthly users	40%	25%	14%	48%
Less frequent users	22%	42%	34%	26%
Passive (users with no sessions)	26%	29%	48%	6%

Understanding user profiles and behavior support in maintaining engagement e.g. effective times to target interventions

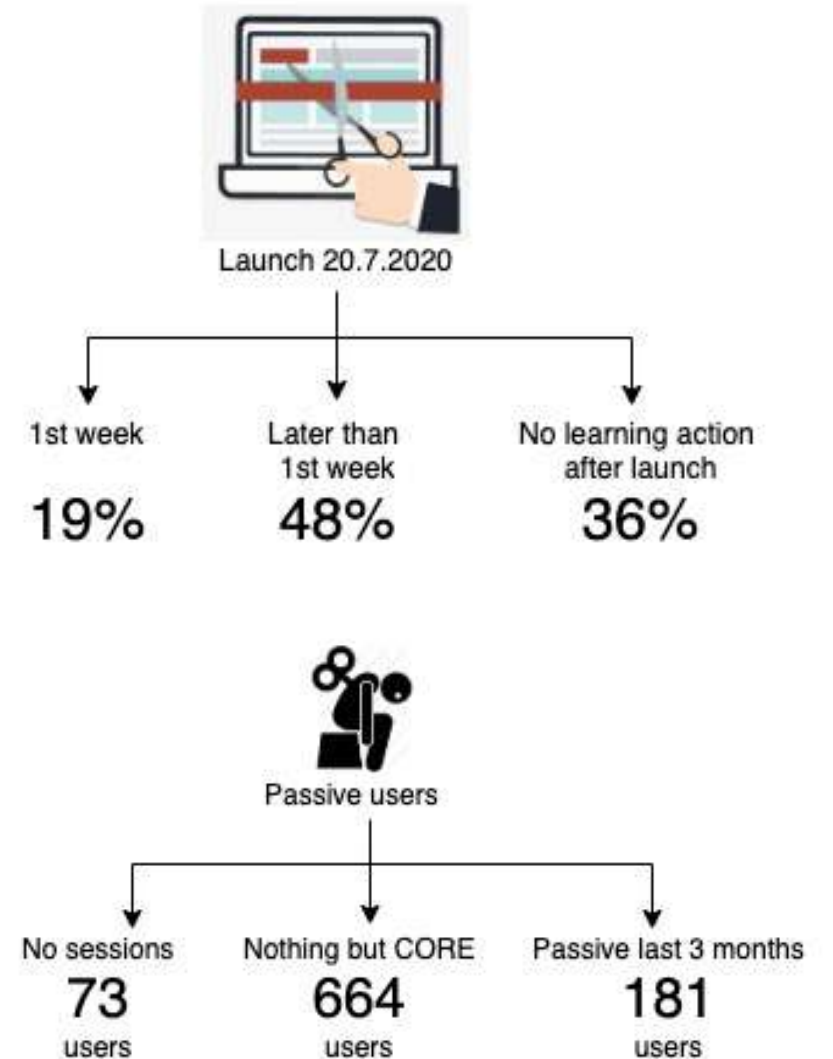


Pain points observed

1st week adoption **only 19%** of users. Adoption proved to be hard in the summer.

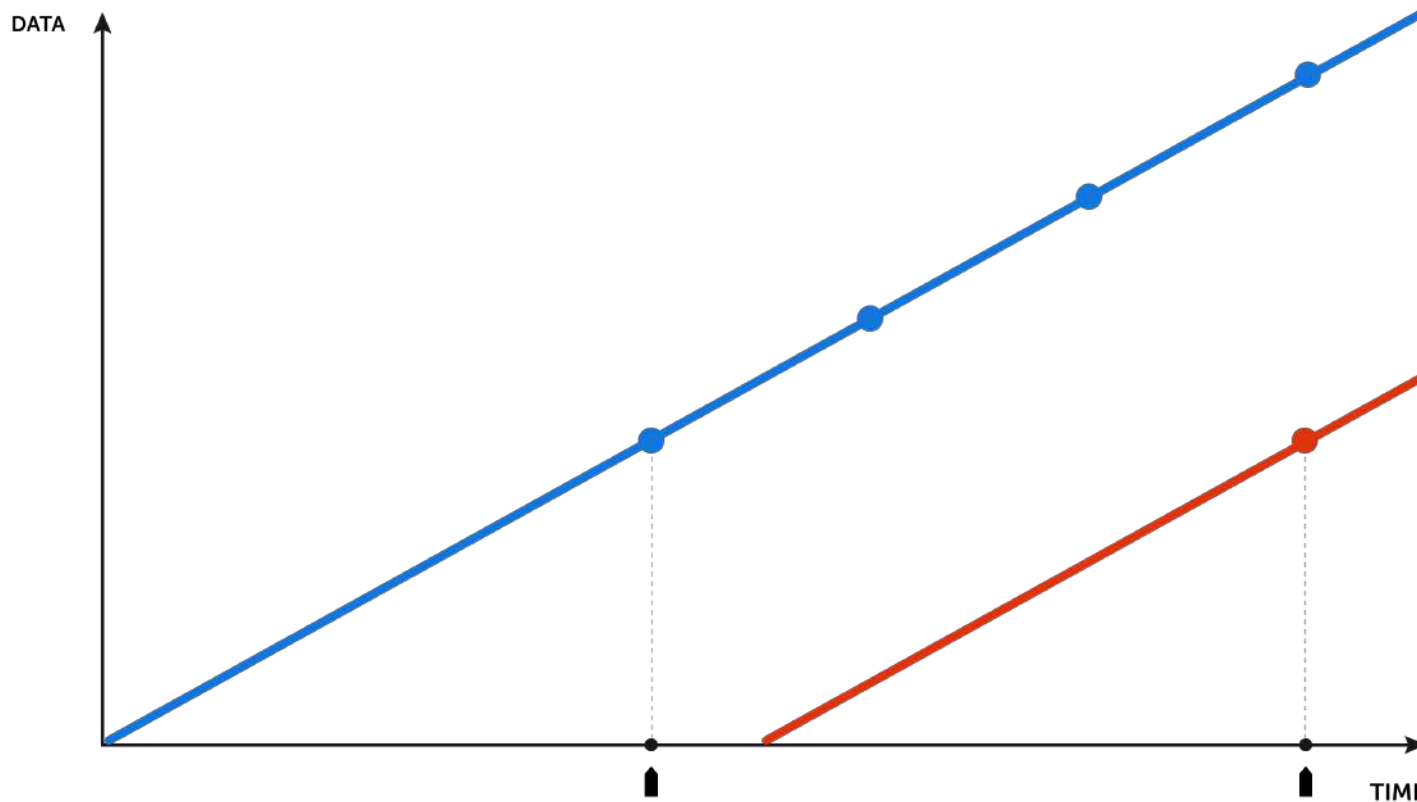
36% of passives after launch is not alarming. There's **less passives than with large-firm benchmarks**.

Large sub-group of **664 users** with only LMS activity is the pain point for targeting actions.



**Opittua:
Aloita datan keruusta**

Time to Discovery



Capturing data from the beginning

The organization was able to get valuable insights from the data almost as soon as they started using the platform.

Defining KPIs first

As the organization struggled to define metrics that would answer all their questions, the benefits of data were pushed far into future.

Kiitos!

Deloitte.
Technology Fast50

