

Sven Charleer Tinne De Laet Francisco Gutiérrez Martijn Millecamp Katrien Verbert



Augment lab



@AugmentHCI



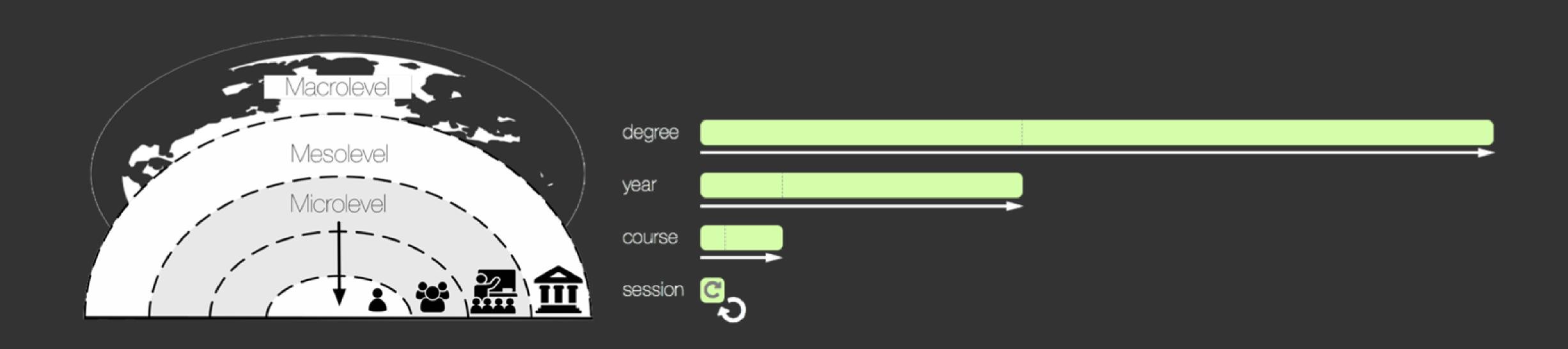
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Learning analytics dashboard to support adviser-student dialogue



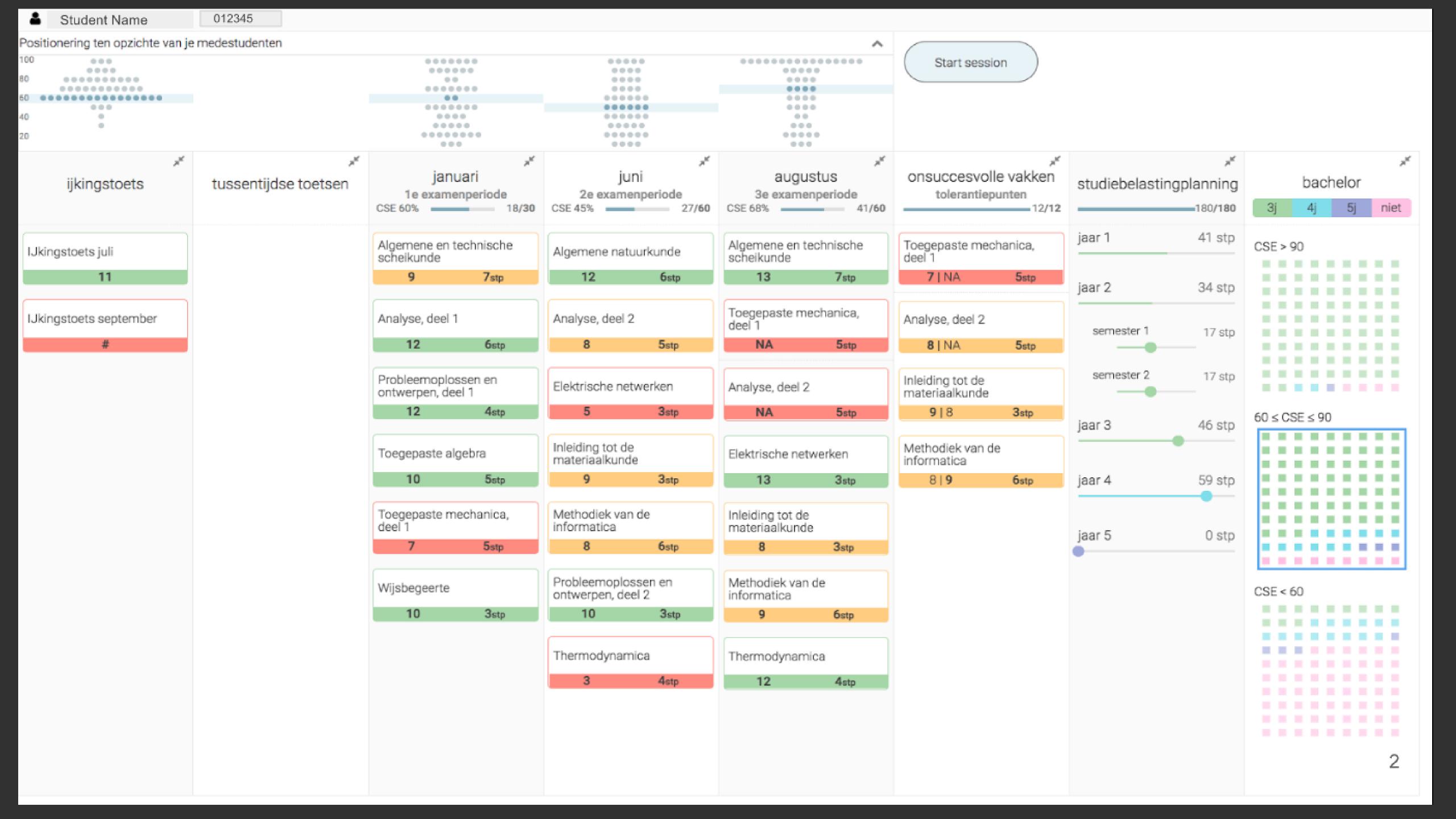


"The measurement, collection, analysis, and reporting of data about learners and their contexts, for purpose of understanding and optimising learning and the environments in which it occurs"



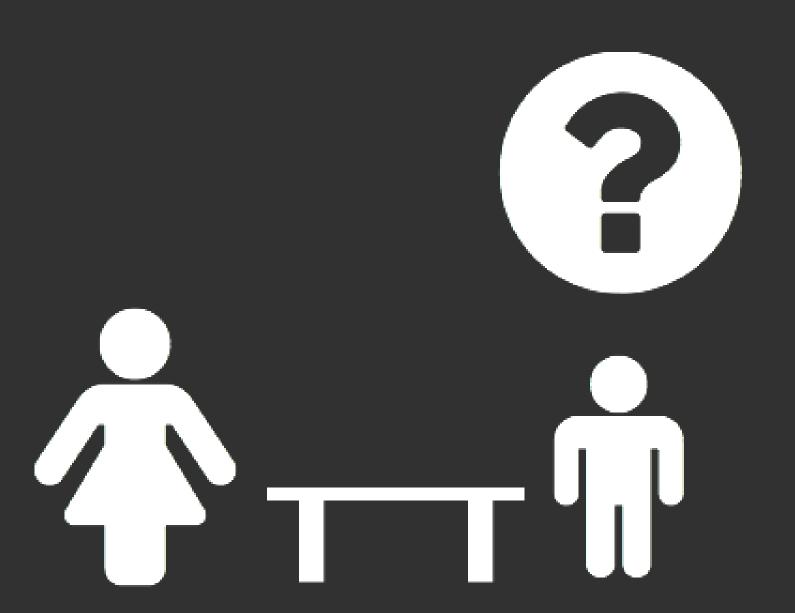
G. Siemens. "Learning analytics: envisioning a research discipline and a domain of practice". Proceedings of the 2nd International Conference on Learning Analytics and Knowledge . ACM. 2012, pp. 4–8.

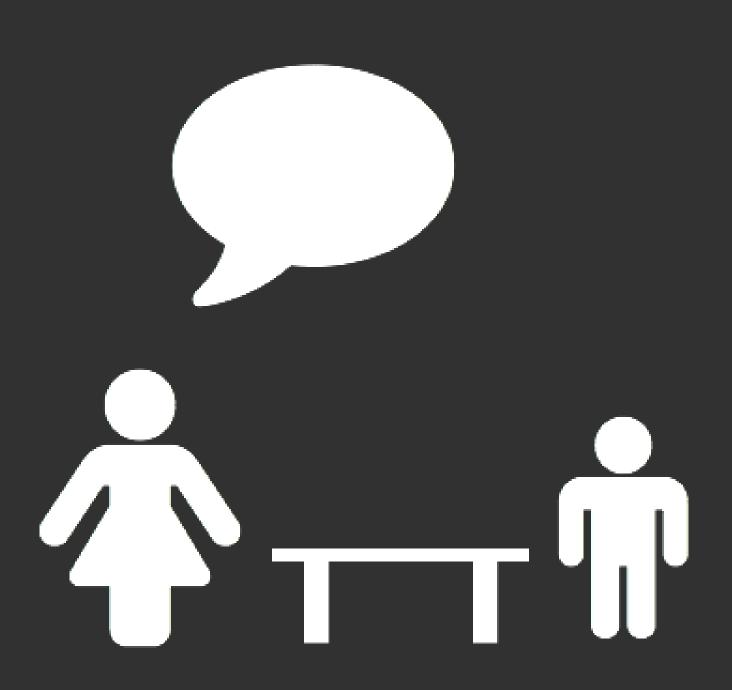
J. L. Santos. Learning Analytics and Learning Dashboards: a Human- Computer Interaction Perspective. PhD dissertation, KU Leuven, 2015.

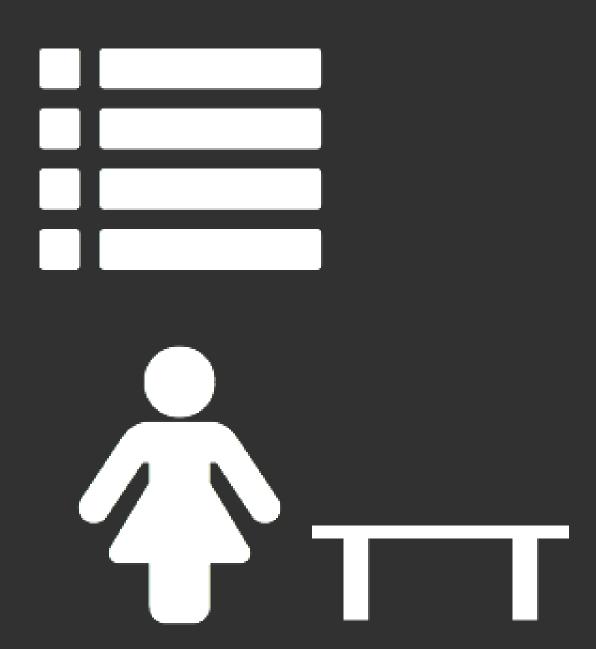


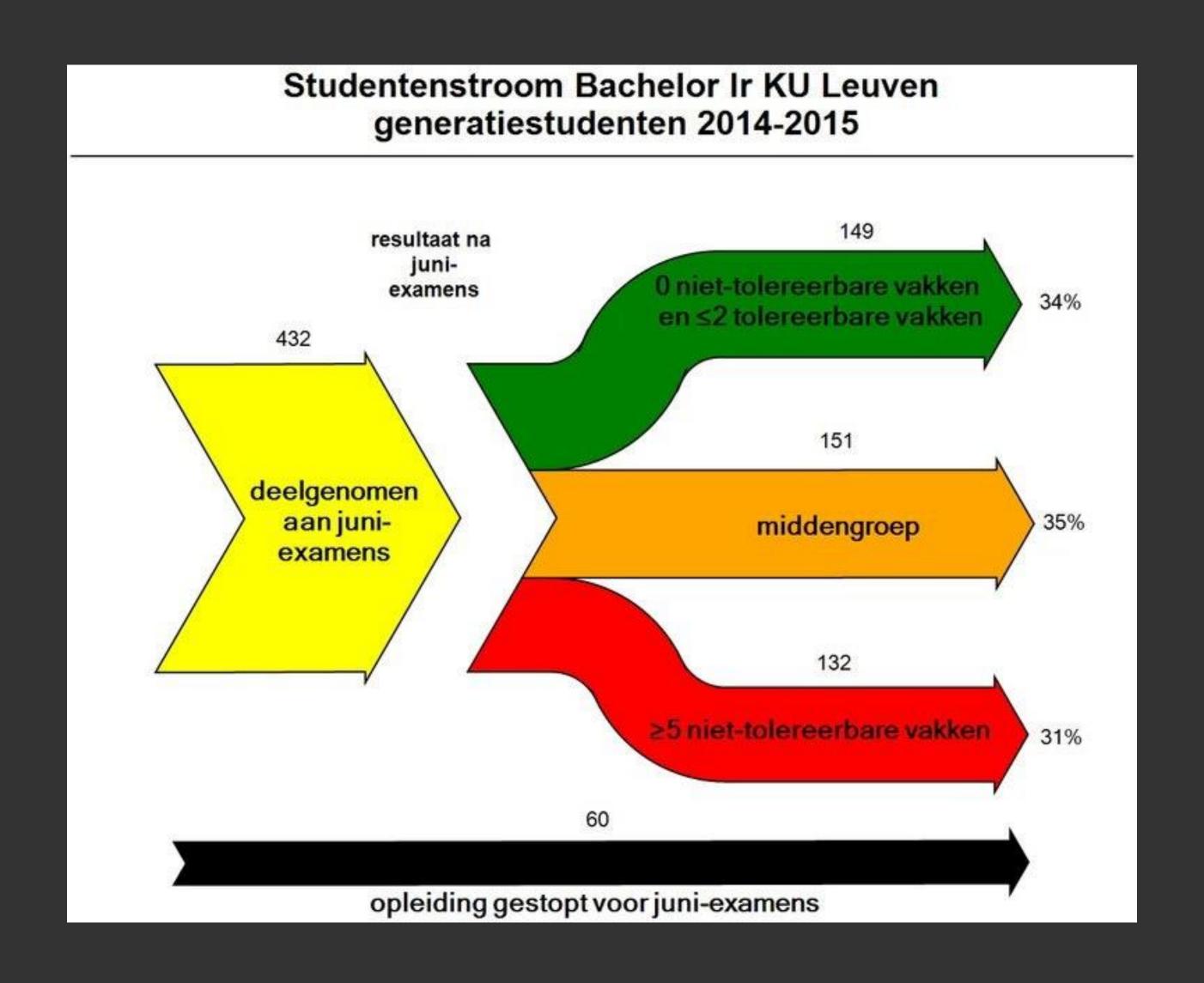
"The first year of college is arguably the most critical with regard to retention of students"

K.E.Arnold and M.D.Pistili



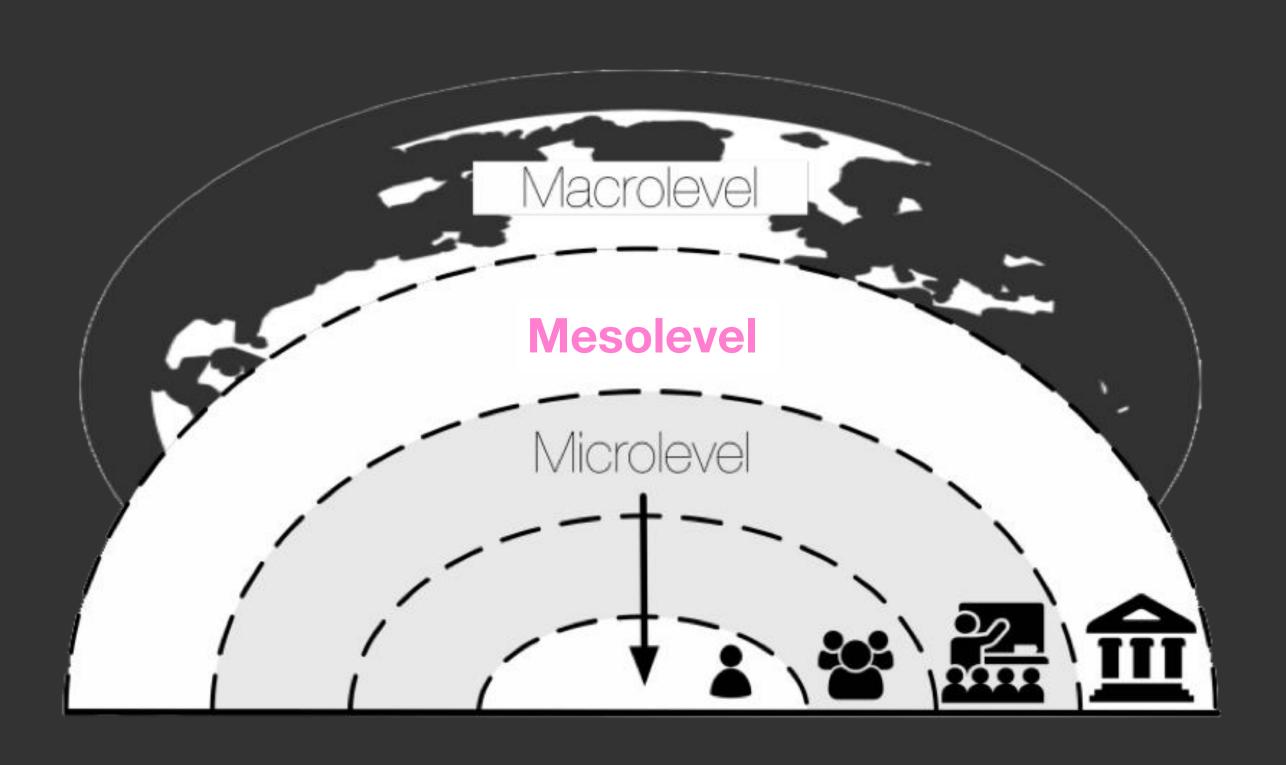






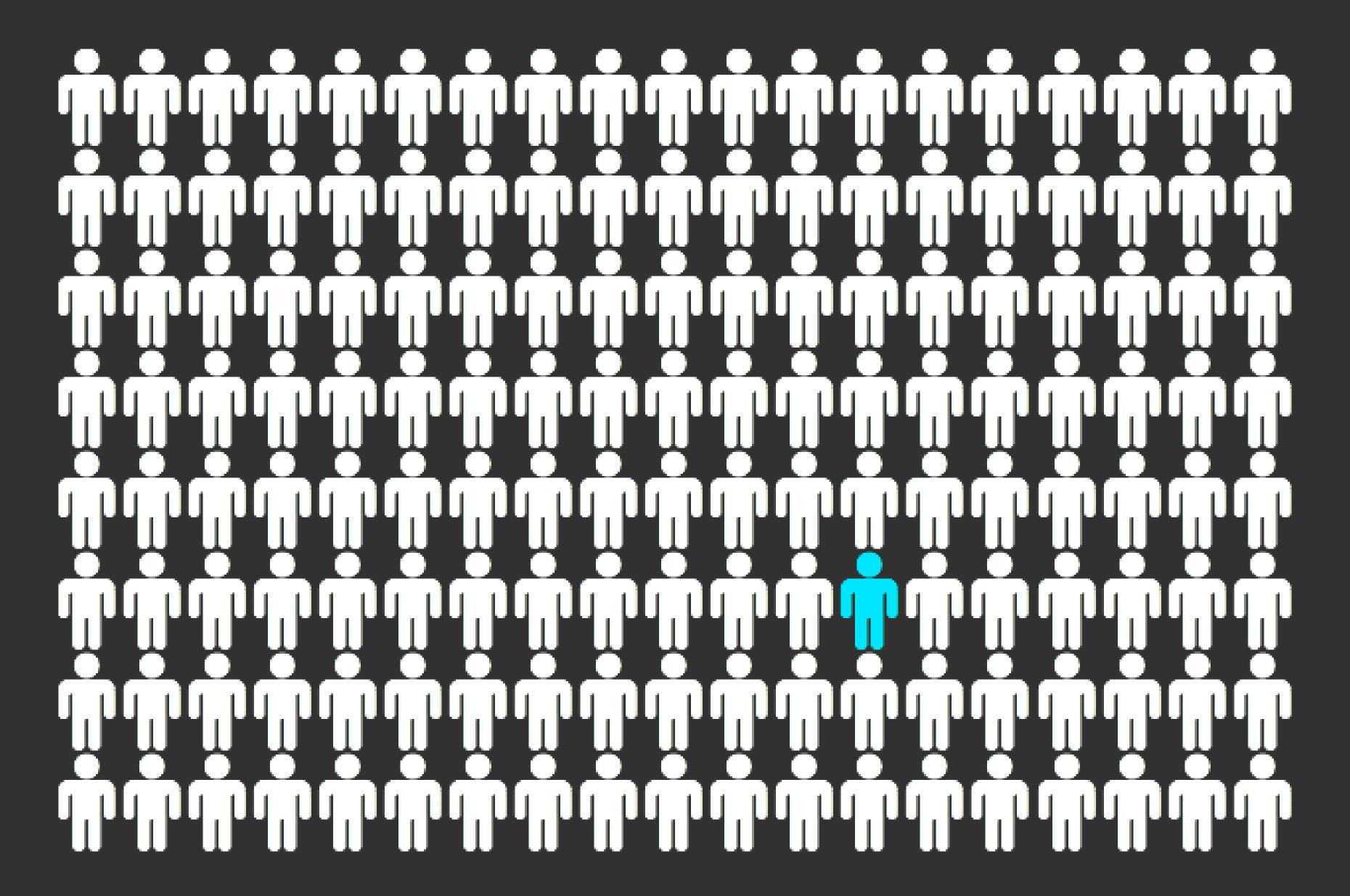
				5 4 4 84			0.4
				Resultaat voor % be	rekening	Type	Situering
Huidig academiejaar							The state of the s
H01A0B	Analyse, deel 1	6	stp	10/20	15-16/sep	C	<u>D</u>
H01A2A	Analyse, deel 2	5	stp	8/20	15-16/sep	T	_
H01A4A	Toegepaste algebra	5	sto	11/20	15-16/jan	C	<u>D</u>
H01A8A	Algemene en technische scheikunde	7	stp	10/20	15-16/jan	C	D
H01B0A	Toegepaste mechanica, deel 1	5	stp	13/20	15-16/sep	C	B
H01B2A	Algemene natuurkunde	7	stp	10/20	15-16/sep	C	D
H01B4A	Thermodynamica	3	stp	7/20	15-16/sep		-
H01B6B	Methodiek van de informatica	6		10/20	15-16/jun	C	D
H01B9A	Probleemoplossen en ontwerpen, deel 1	3	stp	14/20	15-16/jan	C	B
H01C2A	Probleemoplossen en ontwerpen, deel 2	3	stp	11/20	15-16/jun	C	D
H01C4B	Wijsbegeerte	3	stp	10/20	15-16/jan	C	D
H01D0A	Inleiding tot de materiaalkunde	3	stp	10/20	15-16/sep	C	D
H01Z2A	Elektrische netwerken	3		12/20	15-16/sep	C	C
						_	
Vrijstelling(en)							
H01B9A	Probleemoplossen en ontwerpen, deel 1	1	stp			V	





Personalisation Support dialogue Trigger insights

Personalisation



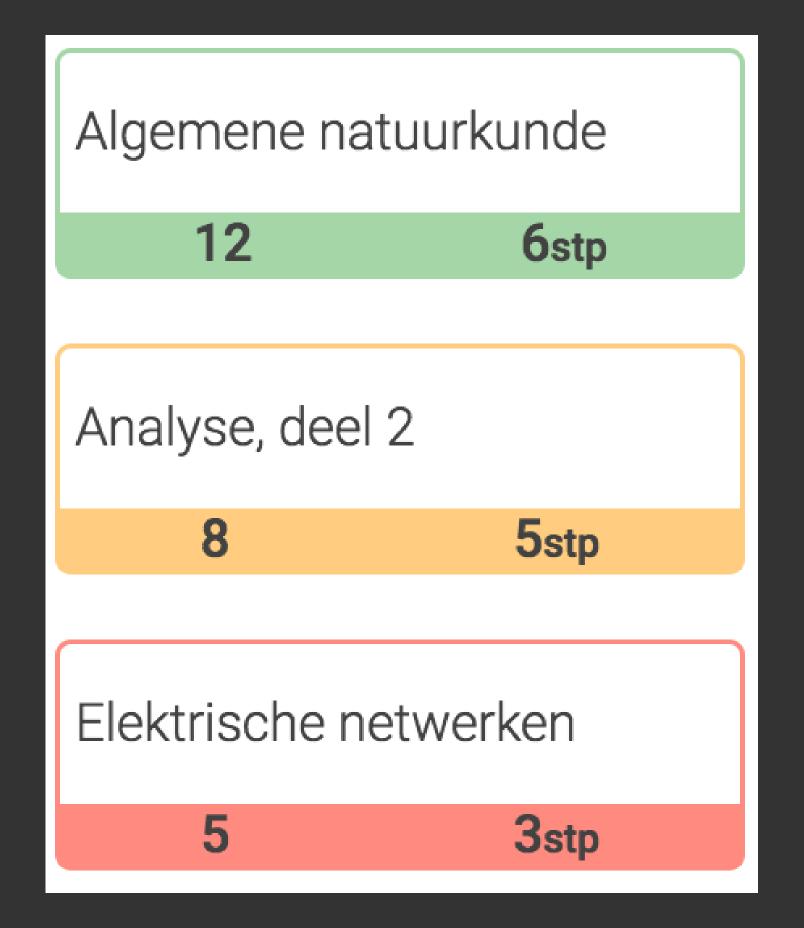
Personalisation

januari

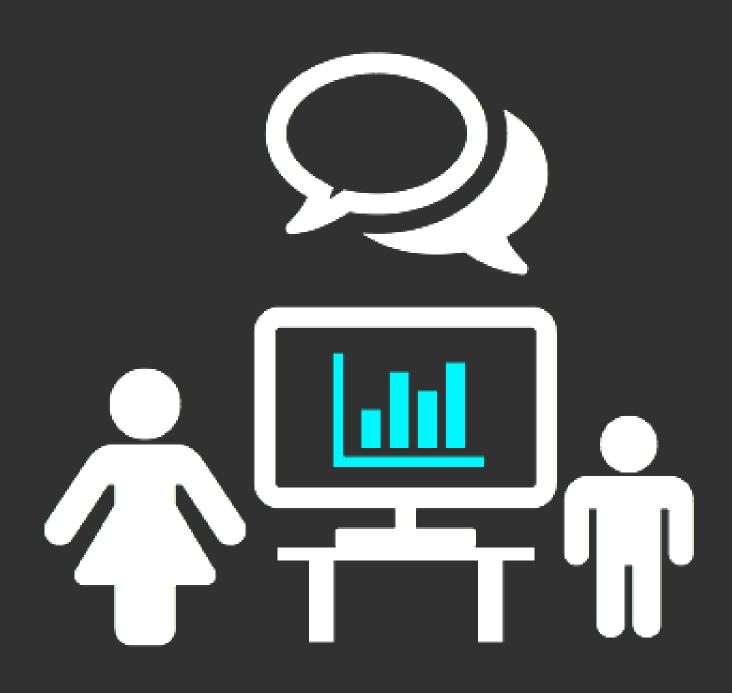
1e examenperiode

CSE 60%

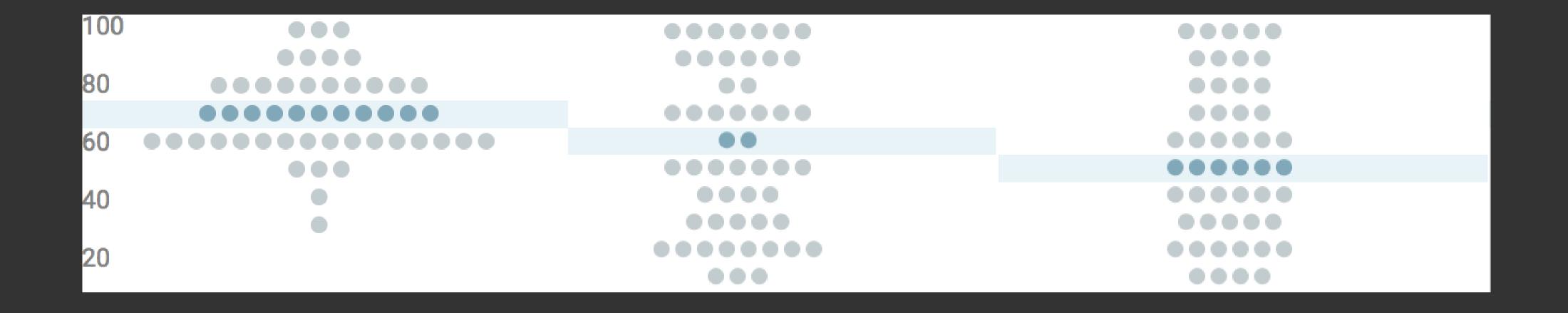
18/30



Support dialogue



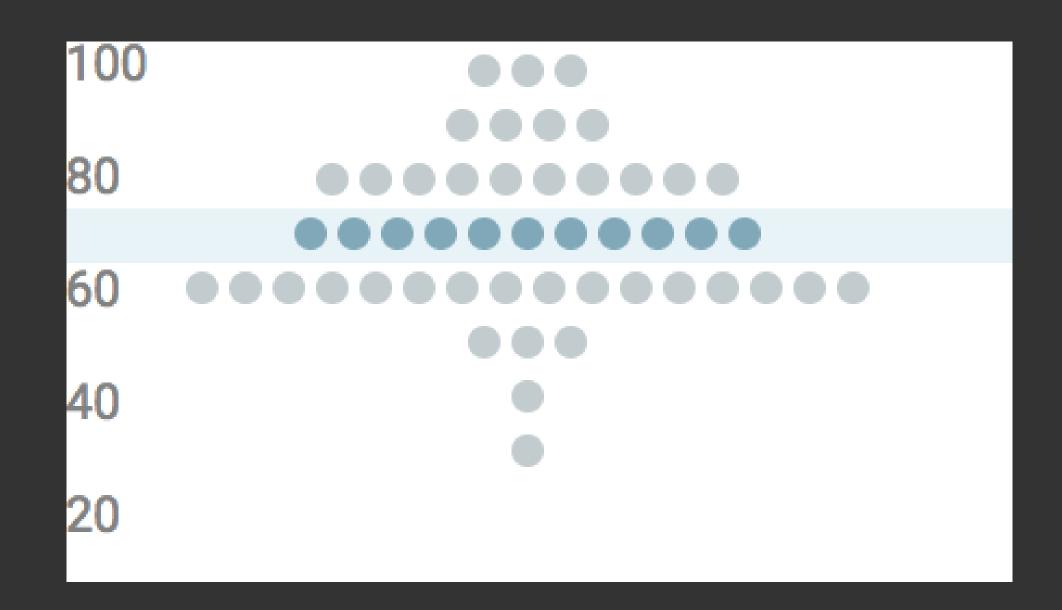
Support dialogue

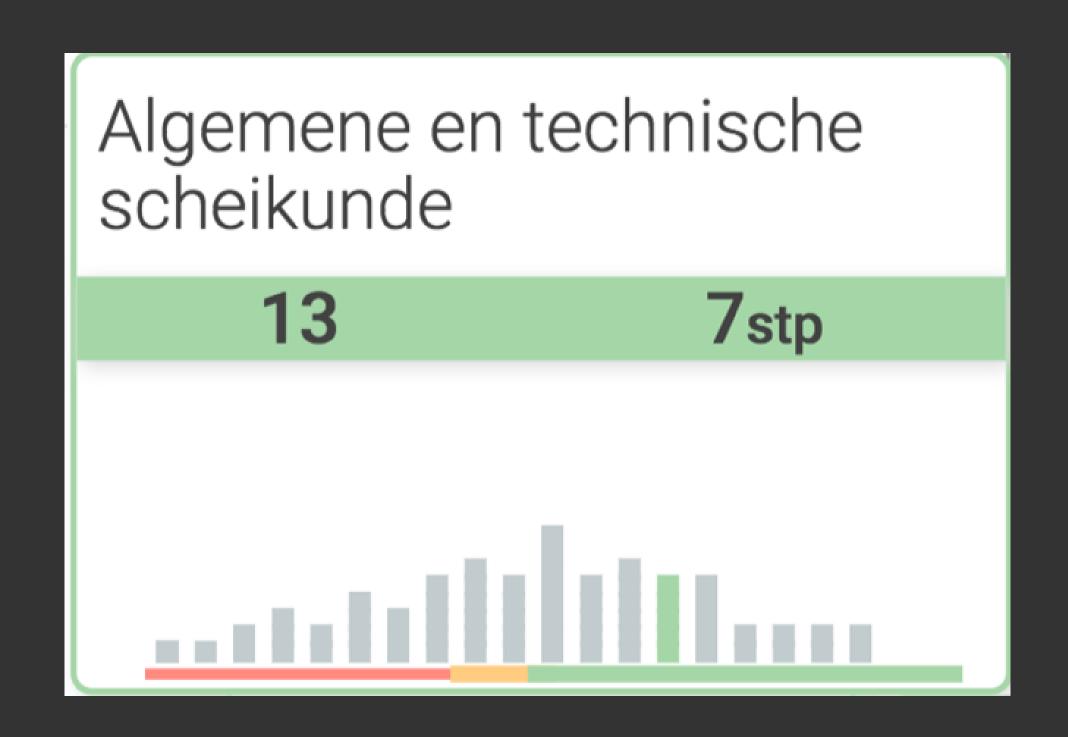


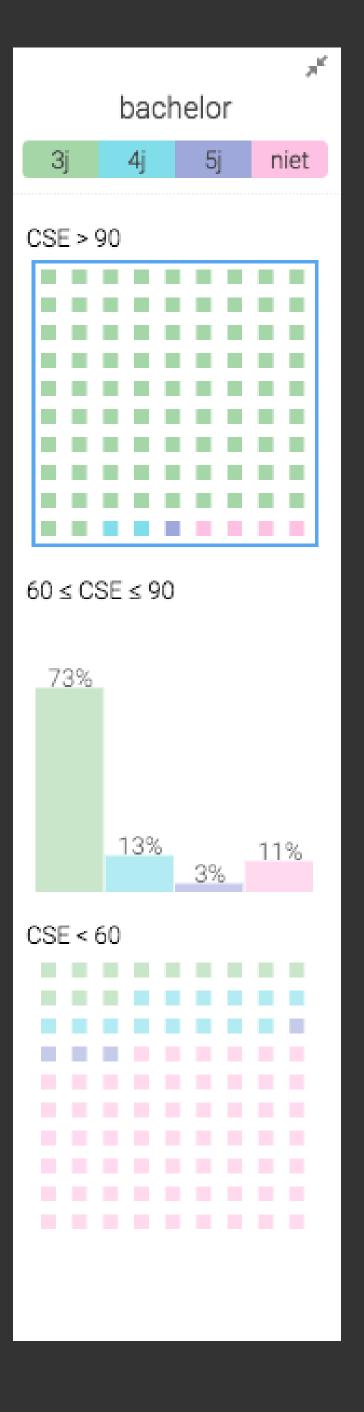
Trigger insights



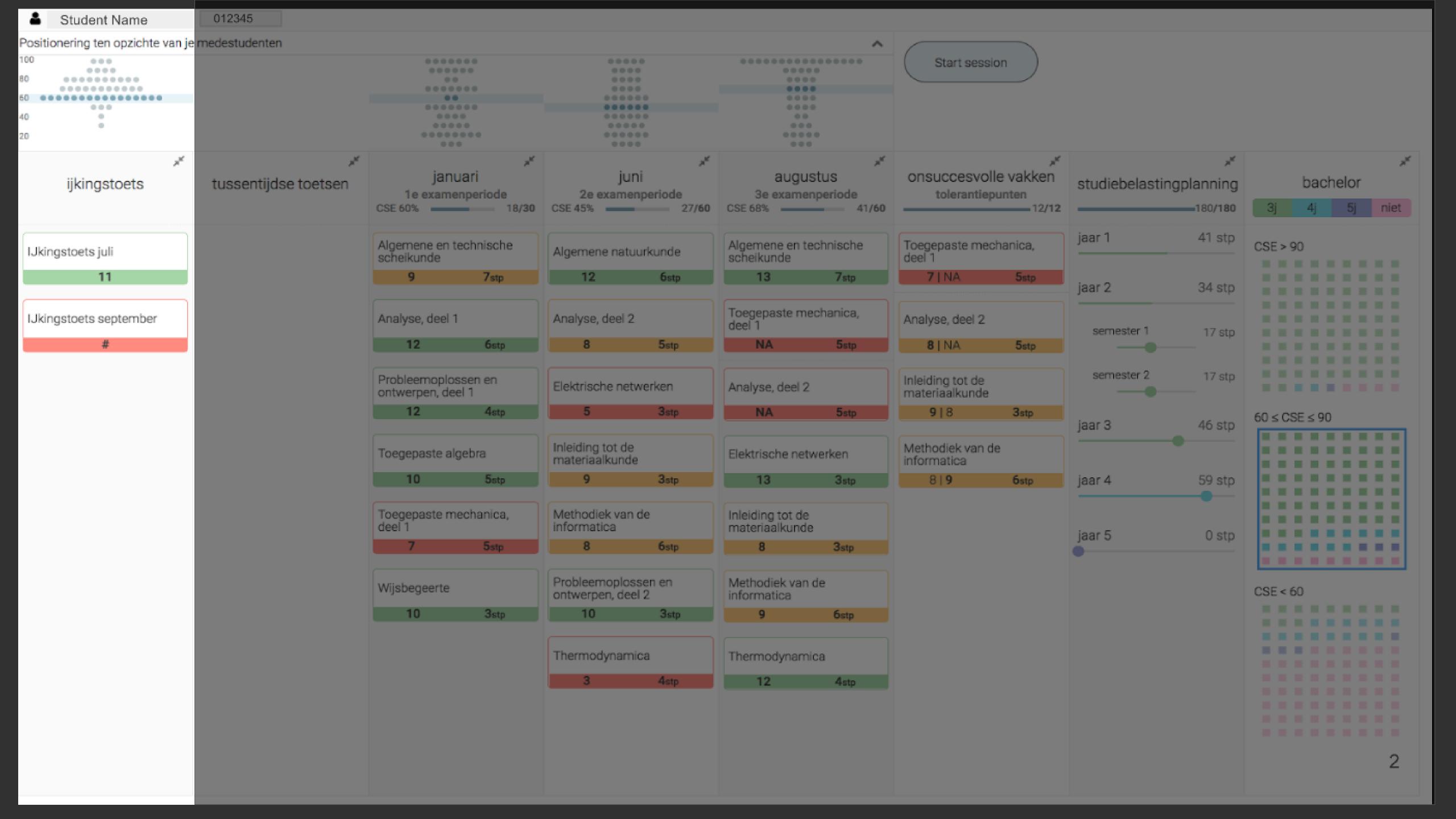
Trigger Insights

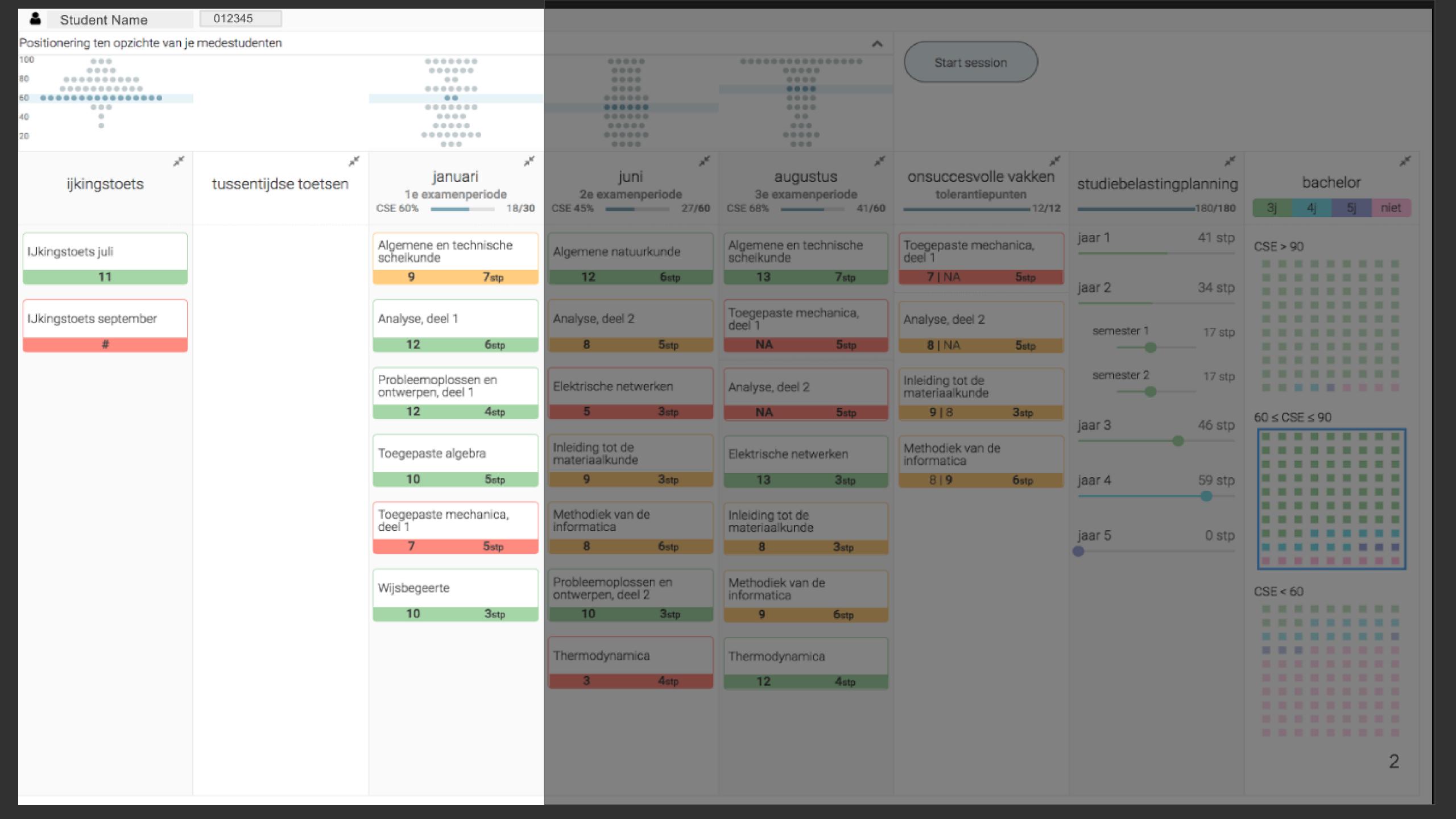


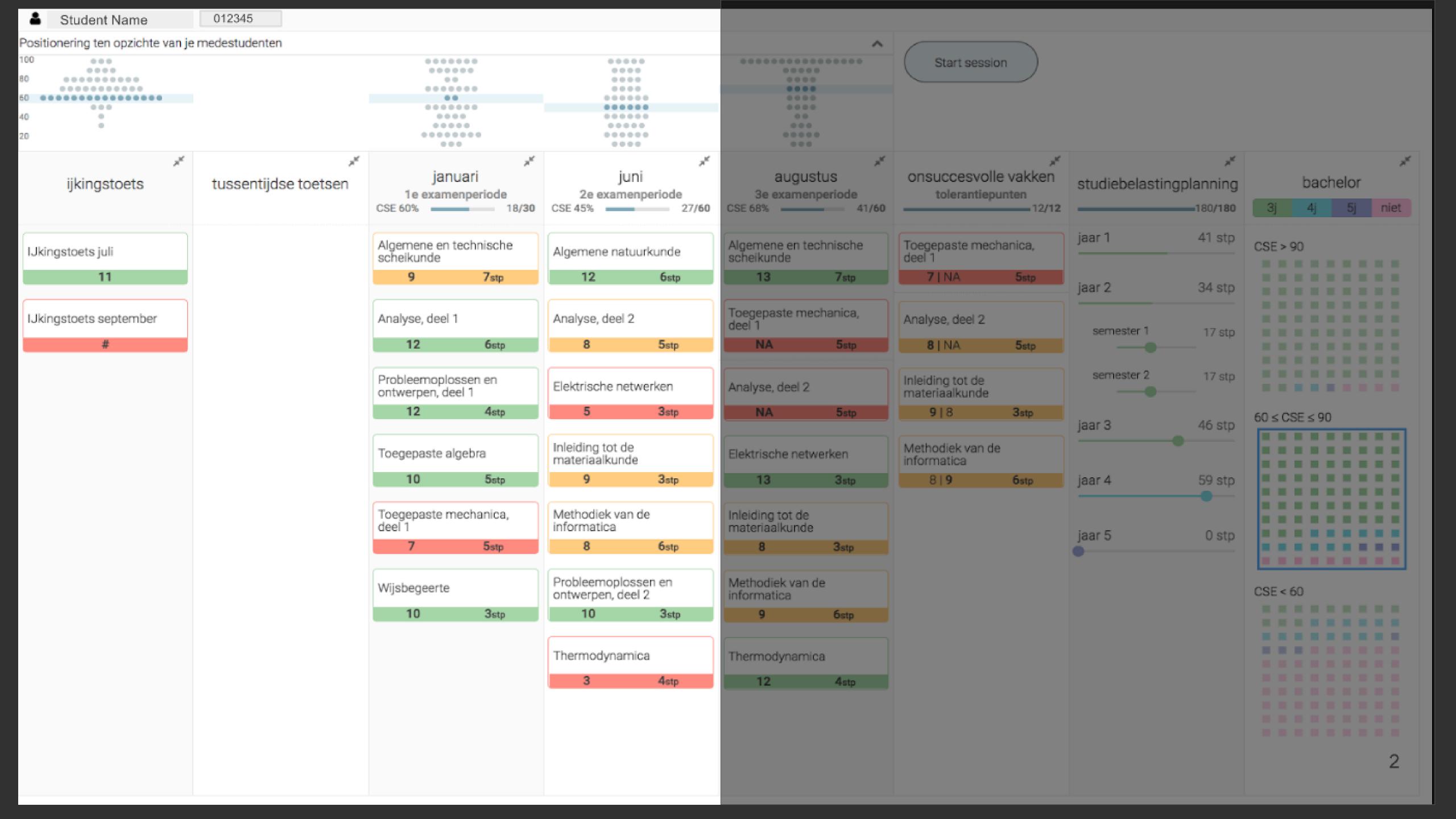


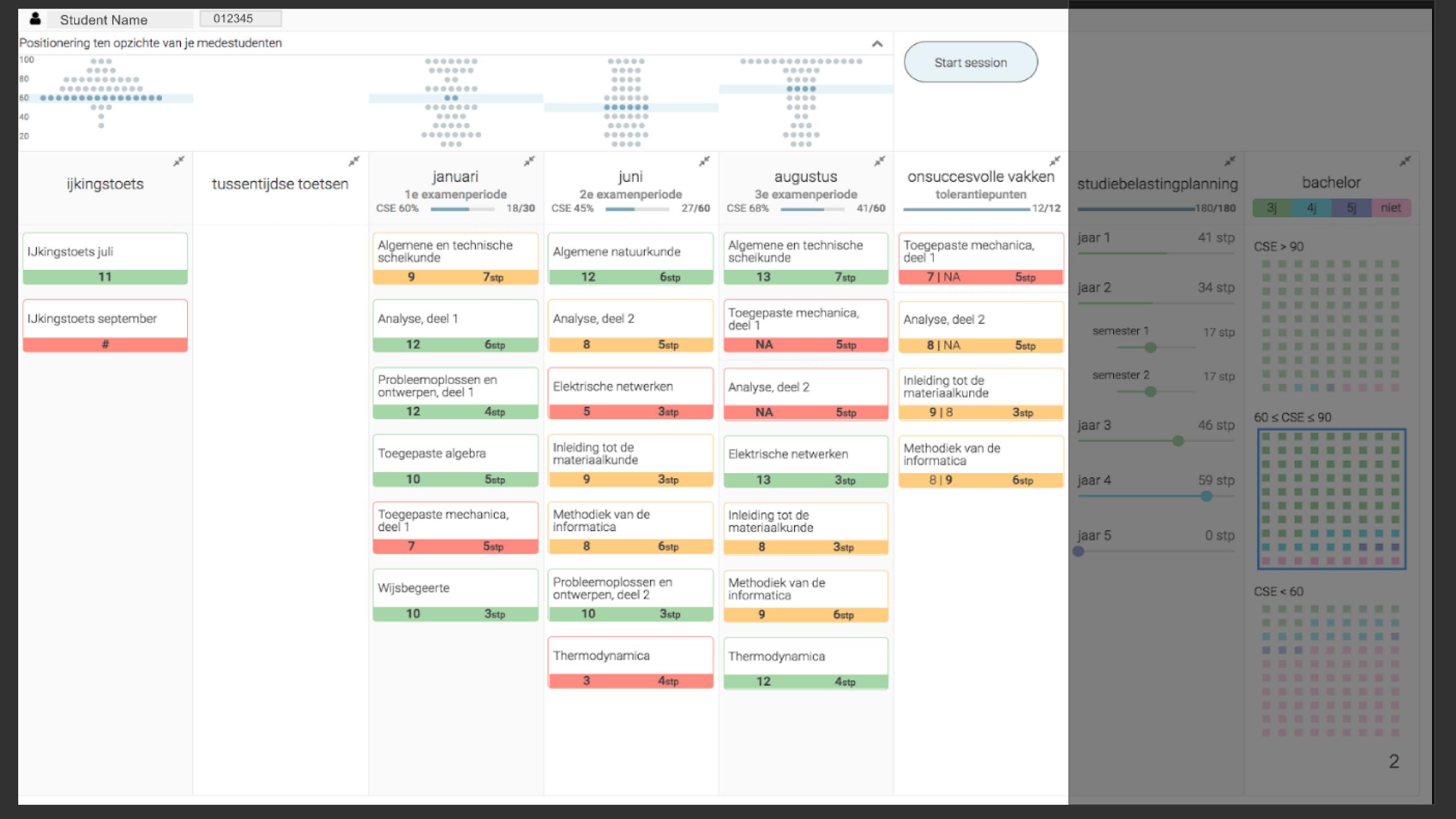


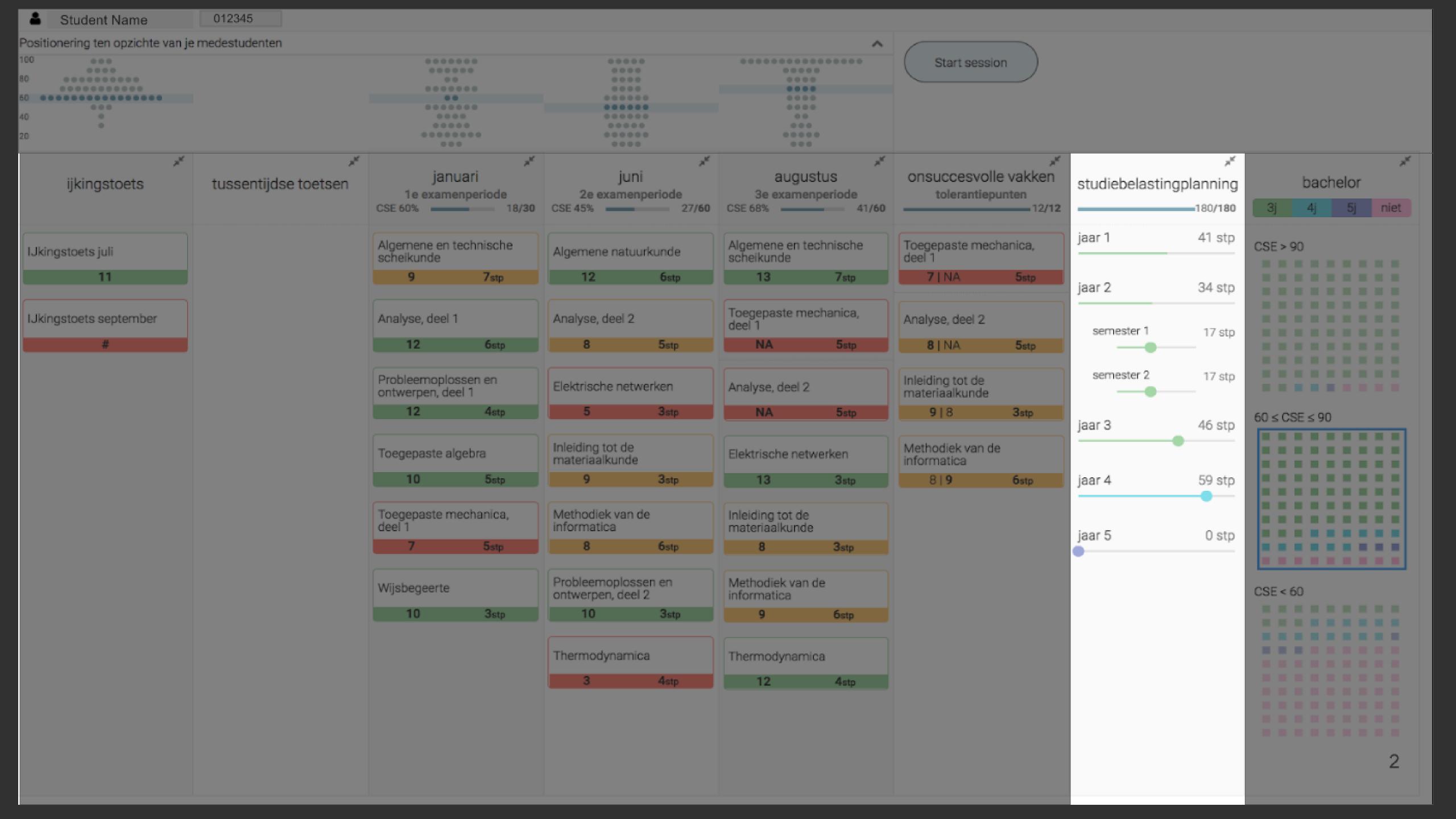
Lissa through the year

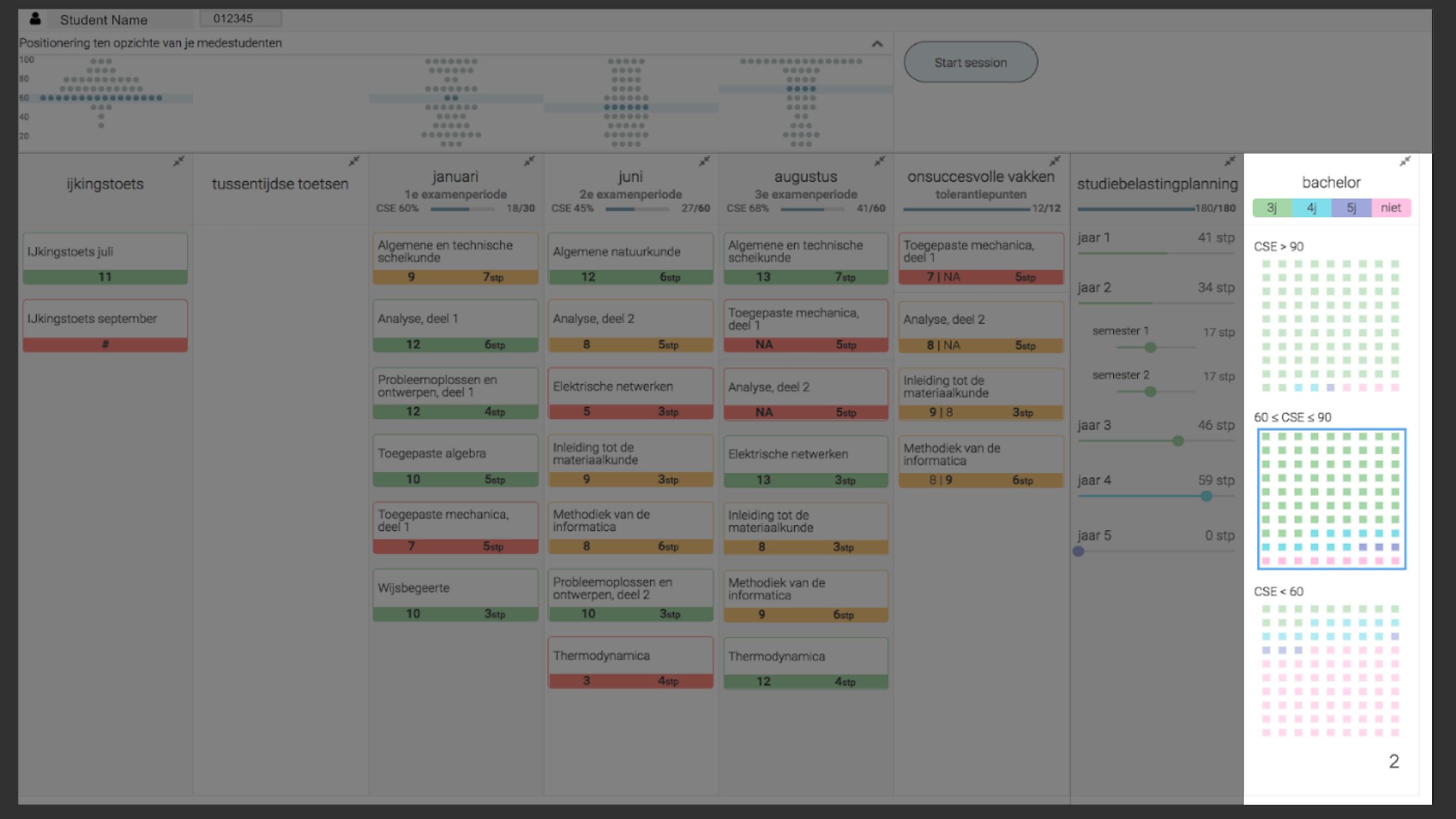












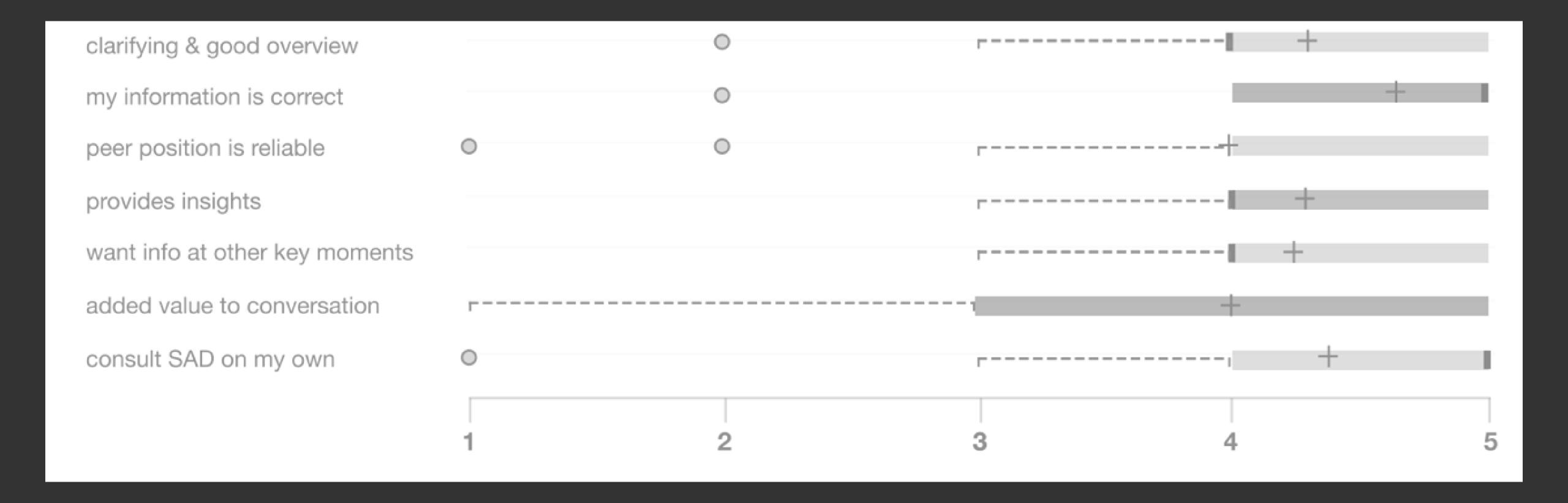
Evaluation







Personalisation



43%

Fact-based

Motivation

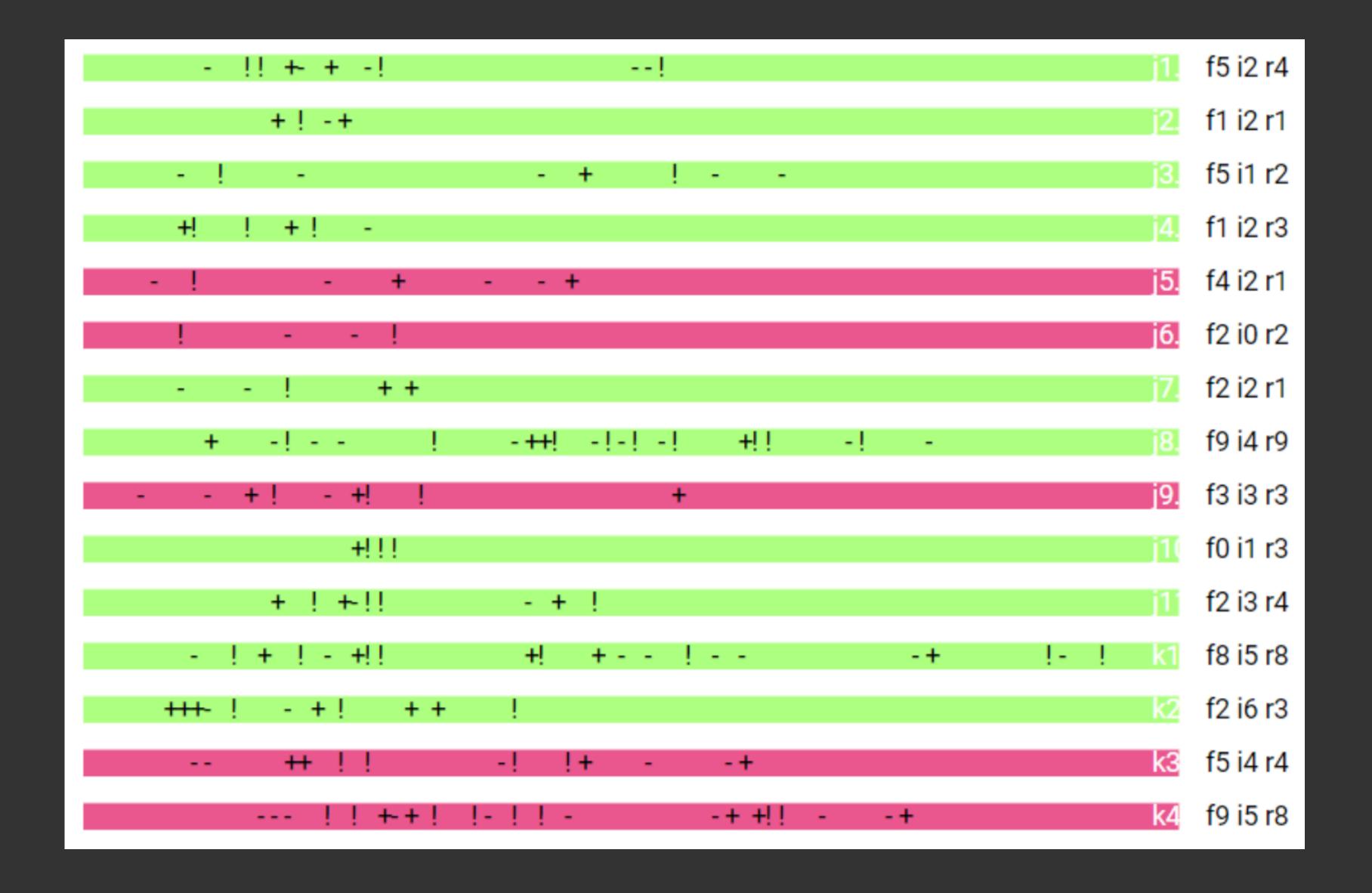
Overview

Factual

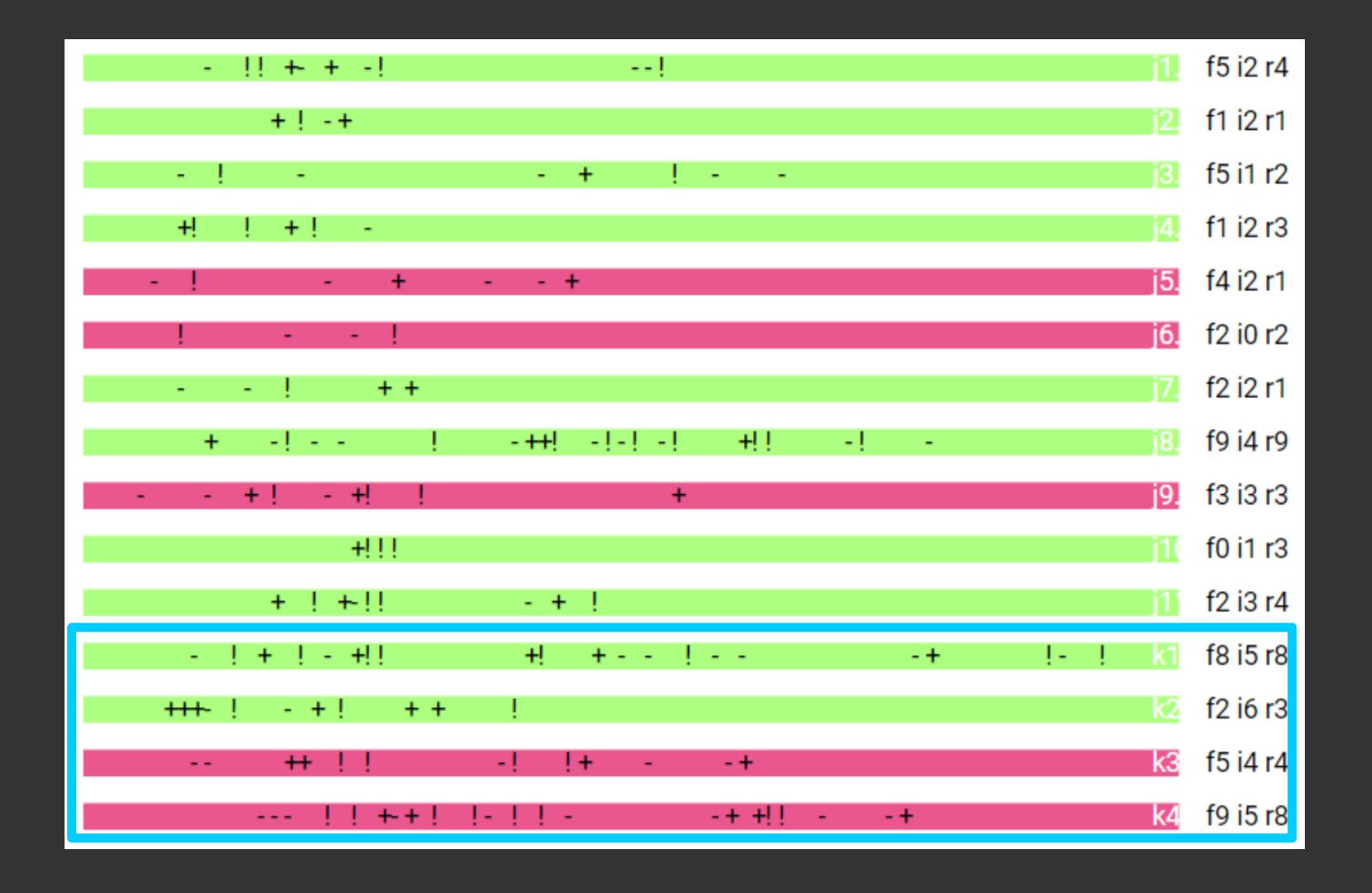
Interpretative

Reflective

Trigger Insights



Trigger Insights



Learning Analytics Dashboards to Support Adviser-Student Dialogue

http://ieeexplore.ieee.org/abstract/document/7959628/

Charleer, S. (2017). Learning analytics dashboards to support adviser-student dialogue. *IEEE Transactions on Learning Technologies, Preprint* (99), 1-12.

Current research



Goal	Evaluation		
Compare triggered insights with previous evaluation	20 observed sessions		
Compare triggered insights between experienced and inexperienced SA	10 observed sessions each		
Compare student perception with design of June	Questionnaires		
Find patterns in SA sessions	Log mouse position and clicks		









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