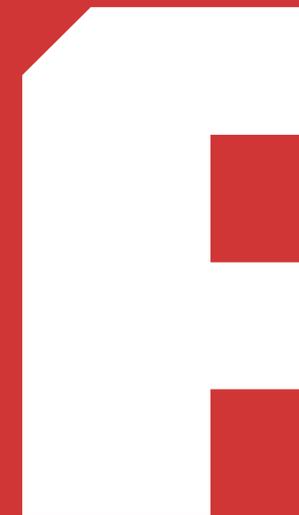


Student Retention

ETALEE 2023

6. juni 2023



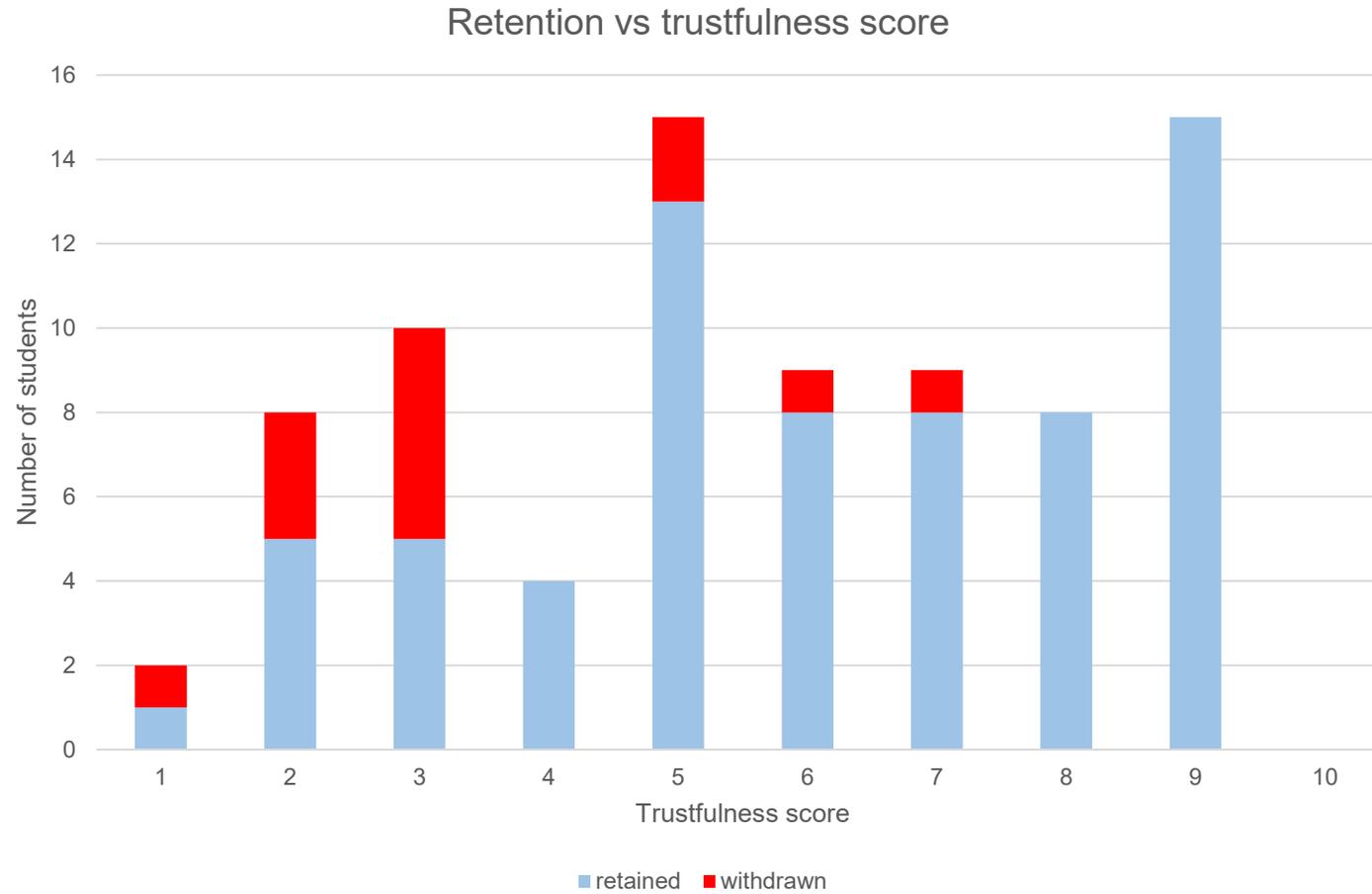
Background

- Psychological safety – group dynamic and trust
- Origin in management science. Leadership development
- Student drop out ? Can psychological safe be an explanatory parameter

How can group dynamic be scored during a coaching session?

- 3 parameters were used to make the score:
- The students were asked how well they were doing
- I observed the interpersonal communication (non-verbal) during the conversation
- I induced some risk taking factors

Results

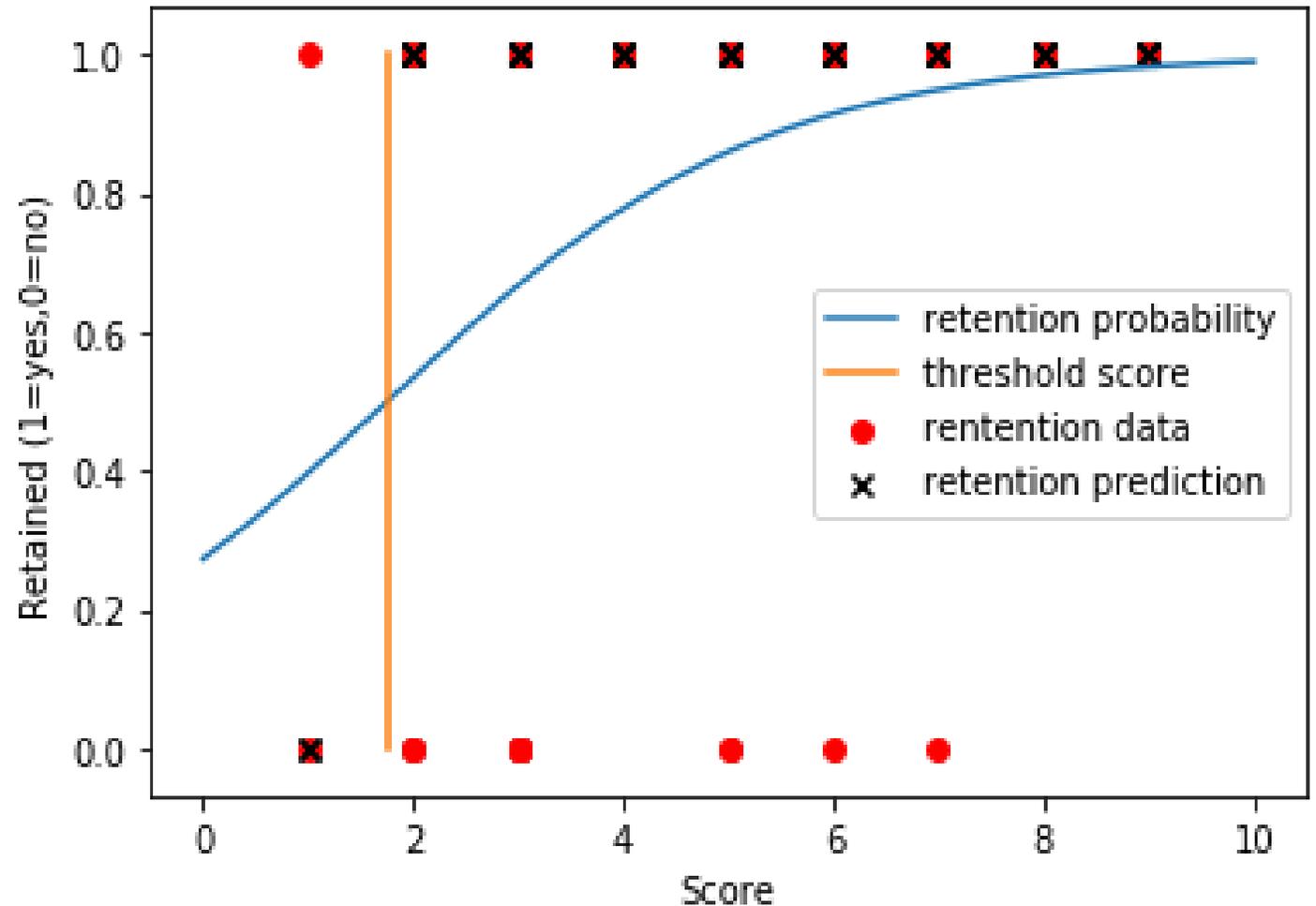


Results



Logistic regression
$$p(x) = \frac{1}{1 + e^{-(\beta_0 + \beta_1 x)}}$$

Right prediction rate is 84%



Logit Regression Results					
Dep. Variable:	y	No. Observations:	81		
Model:	Logit	Df Residuals:	79		
Method:	MLE	Df Model:	1		
Date:	Mon, 06 Mar 2023	Pseudo R-squ.:	0.2045		
Time:	21:16:40	Log-Likelihood:	-28.382		
converged:	True	LL-Null:	-35.680		
Covariance Type:	nonrobust	LLR p-value:	0.0001333		
	coef	std err	z	P> z	[0.025 0.975]
const	-0.9753	0.755	-1.292	0.196	-2.455 0.504
x1	0.5574	0.173	3.225	0.001	0.219 0.896

Discussion



- Other ways to predict drop outs? (to avoid (late) drop out)

Drop out stories

The programme is just not quite what I expected.



I do not feel comfortable in the class. I have no friends here. I feel isolated.



The education is too vocational.



The study to become an engineer is too hard for me. Harder than I thought it would be. Too theoretical. Also, I am dyslexic.



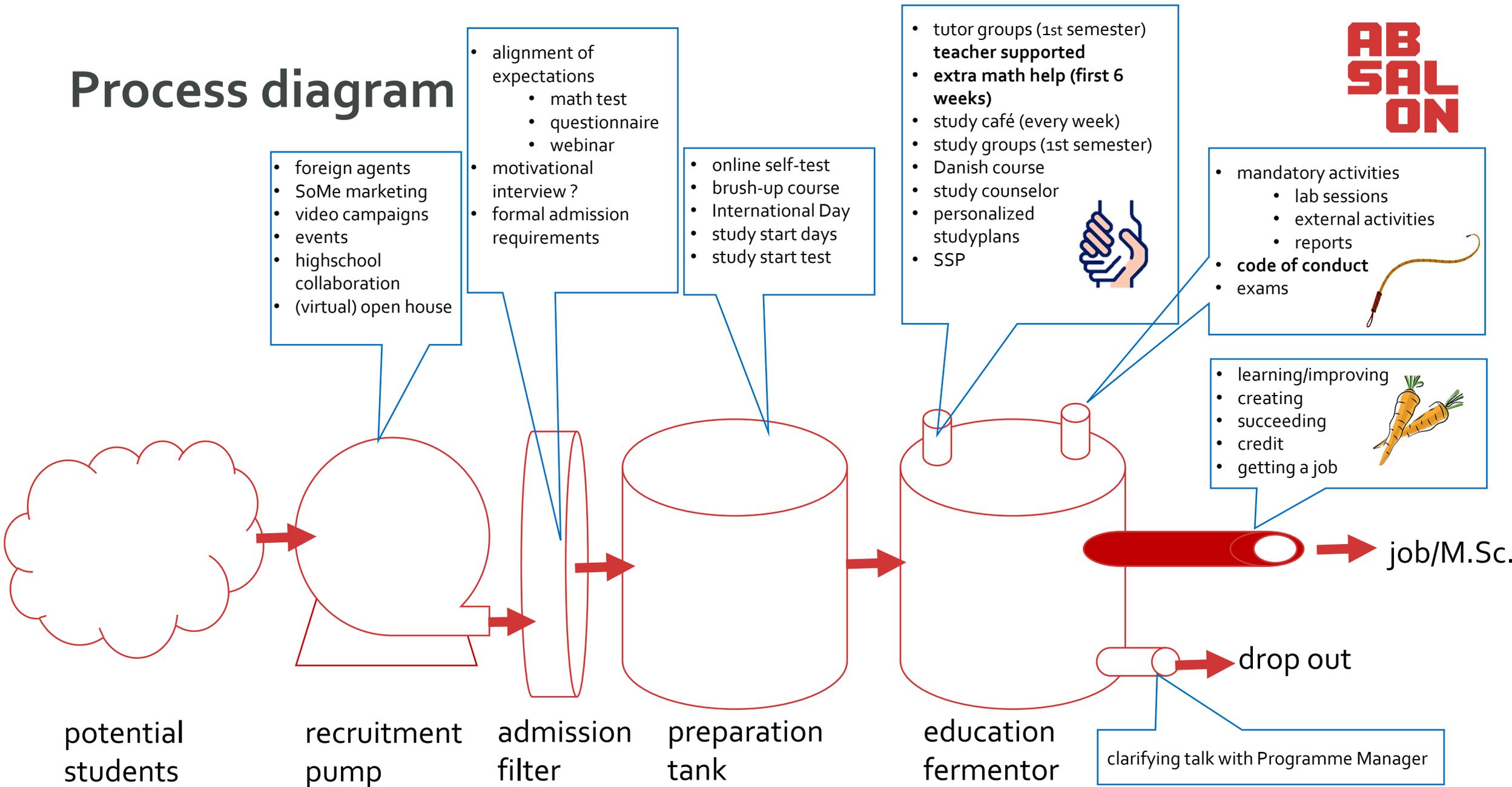
Too many things going on in my life, - family problems - I cannot focus on my education



I am mentally unstable, possibly diagnosed.



Process diagram



job/M.Sc.

drop out

clarifying talk with Programme Manager

Discussion

Other ways to reduce the drop out rate?