

Complex Trajectories. Quantitative Products.

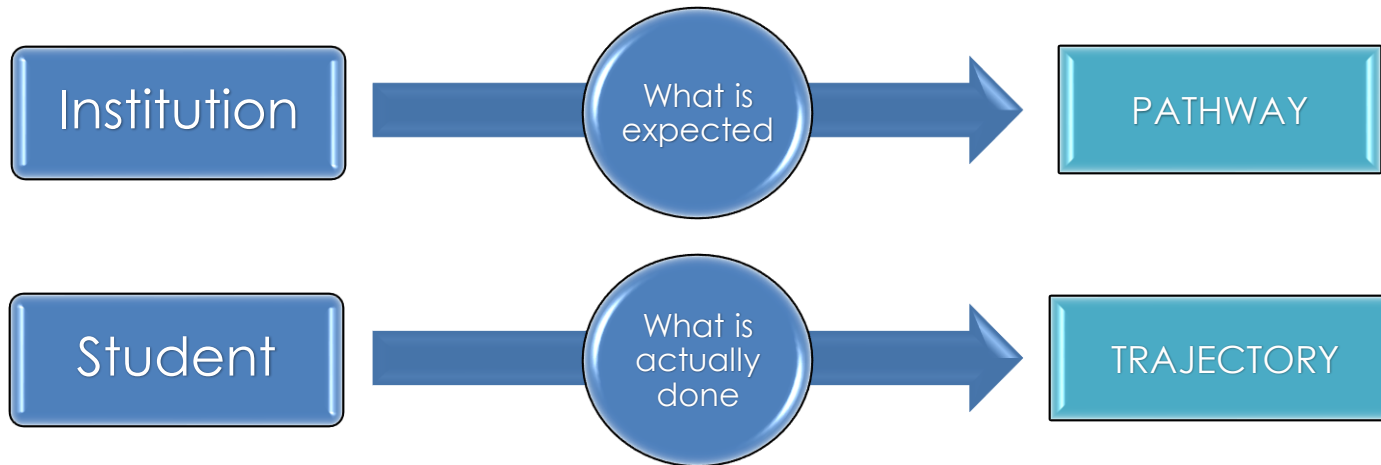
Multiplier Event-Lisboa. 4/7/2023. Helena Troiano (GRET-UAB).

Consortium members:

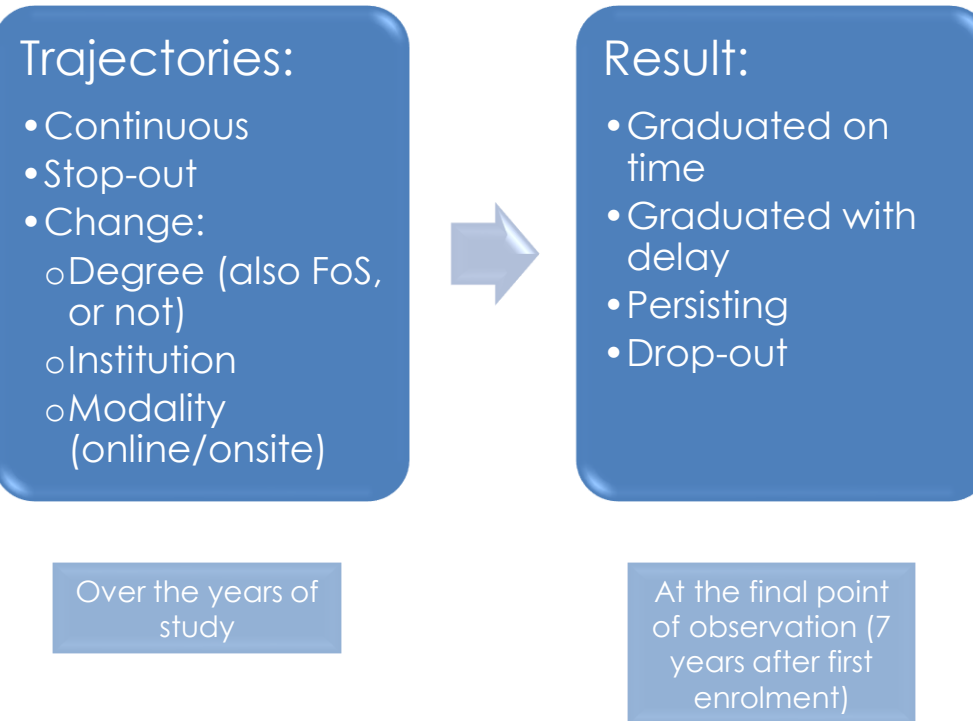


Partners

Conceptual approach to trajectory



The results of the trajectories



Approaching trajectories: what data?

- ▣ Longitudinal. Necessary data structure to track people over time.
- ▣ 2012 cohort. Cohort needed for all European Higher Education Area degrees to be in place and well-established.
- ▣ 2012-2019. 7 years to give time to observe complex trajectories, specially in online modality.
- ▣ System data. It is better to have system data because students are interested in their “persistence”, not retention (Tinto, 2017).

Approaching trajectories: data from whom?

- ▣ Onsite universities:
 - ▣ University of Valencia.
 - ▣ University of Porto.
 - ▣ University of Burgundy (some degrees online).

- ▣ Online universities:
 - ▣ Universidade Aberta (Portugal).
 - ▣ Open University (UK).
 - ▣ Universitat Oberta de Catalunya.

- ▣ Catalan System:
 - ▣ Onsite modality (11 universities).
 - ▣ Online modality (1 university).

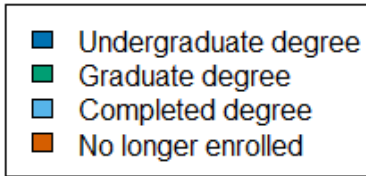
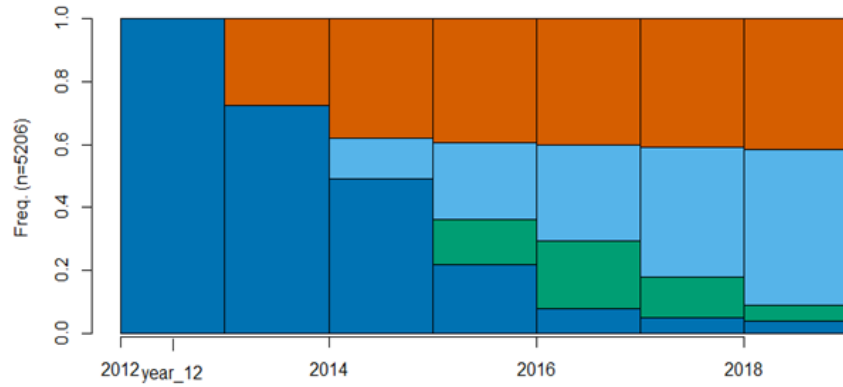
Products: website and MOOC-Longitudinal

- ▣ Definition of the context for every country: bachelor duration, price of studying, grants, access tracks, progress requirements, etc.
- ▣ Four kinds of analysis; and how to conduct some of them:
 - ▣ Sequence Analysis representation.
 - ▣ Sequence Analysis indicators.
 - ▣ Group Based Trajectory Modelling.
 - ▣ Analysis of change.

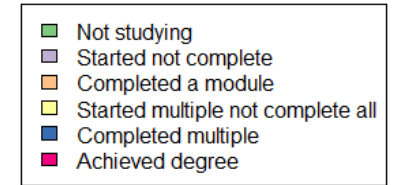
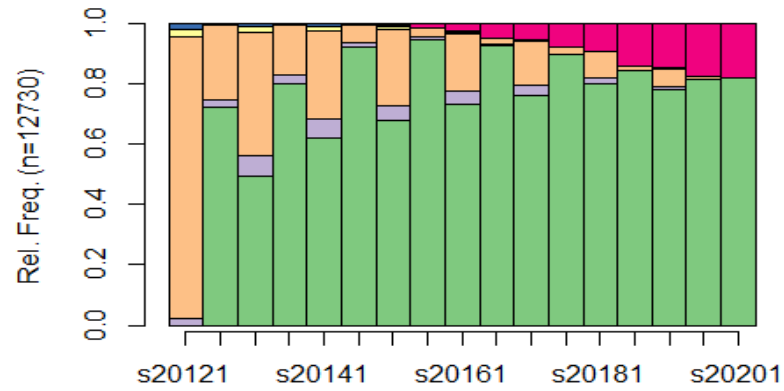
	Bachelor duration	Approx. BA price for 60 cr.	Grants	Access tracks	Progress requirements
Catalan on-site	4 years (240 ECTS). Exceptions of 5-6 years.	1300 – 1800 €	<ul style="list-style-type: none"> - Linked to family income. - Depending on performance (65-95% achieved). - Complements by Autonomous Communities and Universities. 	Academic track. Vocational track. Over different ages. University. Entrance exams.	More or less flexibility depending on HEI. To pass 12 – 20 cr. per year. More flexible requirements for part-time.
Catalan on-line		2000 – 2200 € (but 60 cr. rarely enrolled)		Academic track. Vocational track. Over different ages. University.	To pass 6 cr. first year. No requirements after that. The most flexible HEI.
University Valencia		900 – 1200 €		Academic track. Vocational track. Over different ages. University. Entrance exams.	To pass 12 cr. per year.
University Porto	3-4 years (180-240 ECTS). Exceptions of 5y. 5y BA+MA integrated.	700 €	<ul style="list-style-type: none"> - Linked to family income. - Depending on performance (25% achieved). 	Academic track. Vocational track. Over 23y. University. Entrance exams.	To pass 60 cr. in 3 years.
University Bourgogne	3 years (180 ECTS). Exceptions of 5y.	Initial: 270 € Continuous: 900 €	- Linked to family income.	Academic track. Vocational track. No entrance exam. Some institutions make their own selection.	Not credits, but courses. Student must pass with an average grade of all the course components. Need special permission to retake a course. Part-time must be accepted.

Complex Trajectories

Higher education trajectories - uB

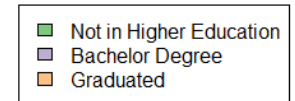
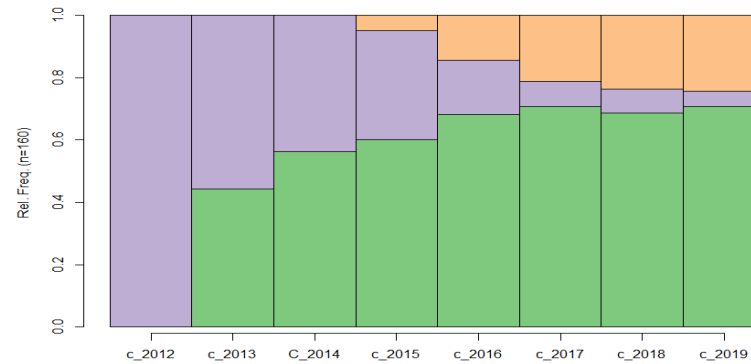
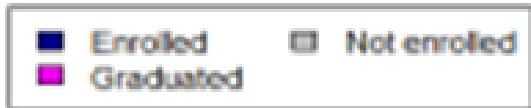
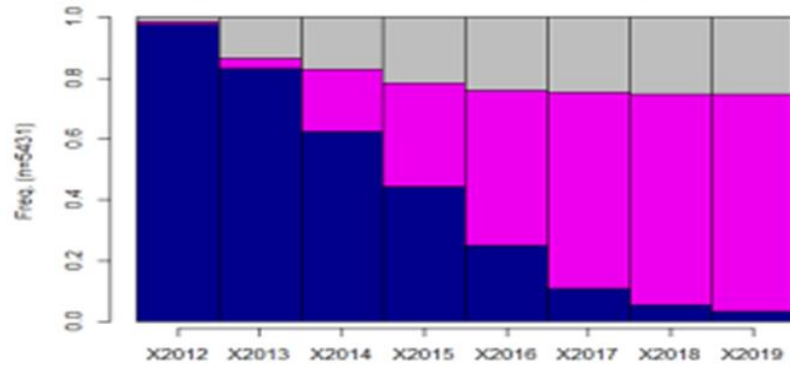


Higher Education Trajectories - Open University

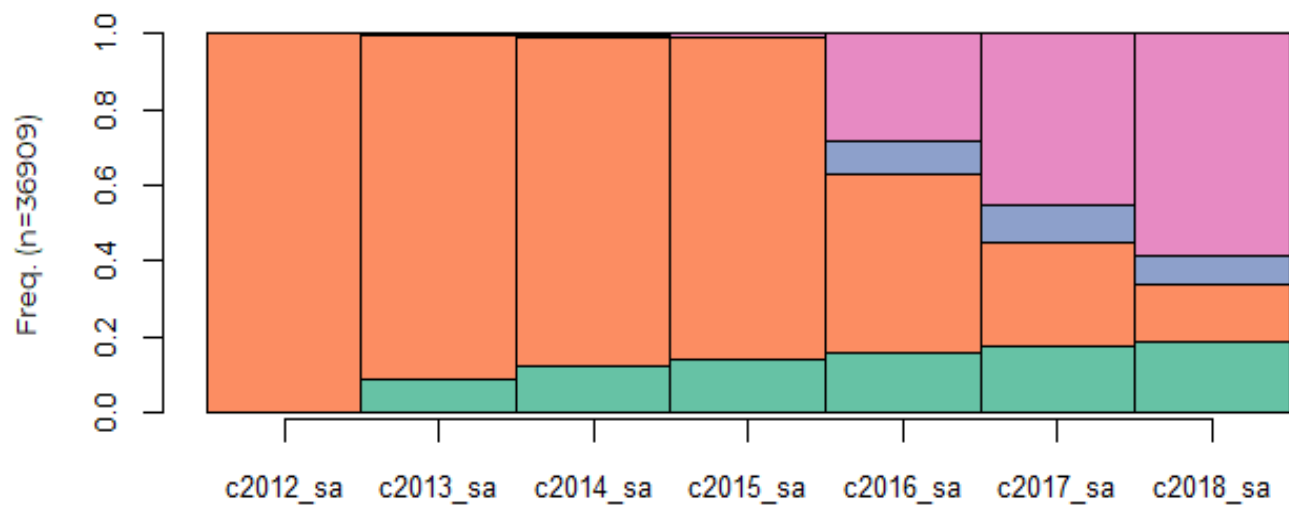


Higher Education trajectories, Universidade Aberta (Portugal). On-line university. 2012 cohort on Education.

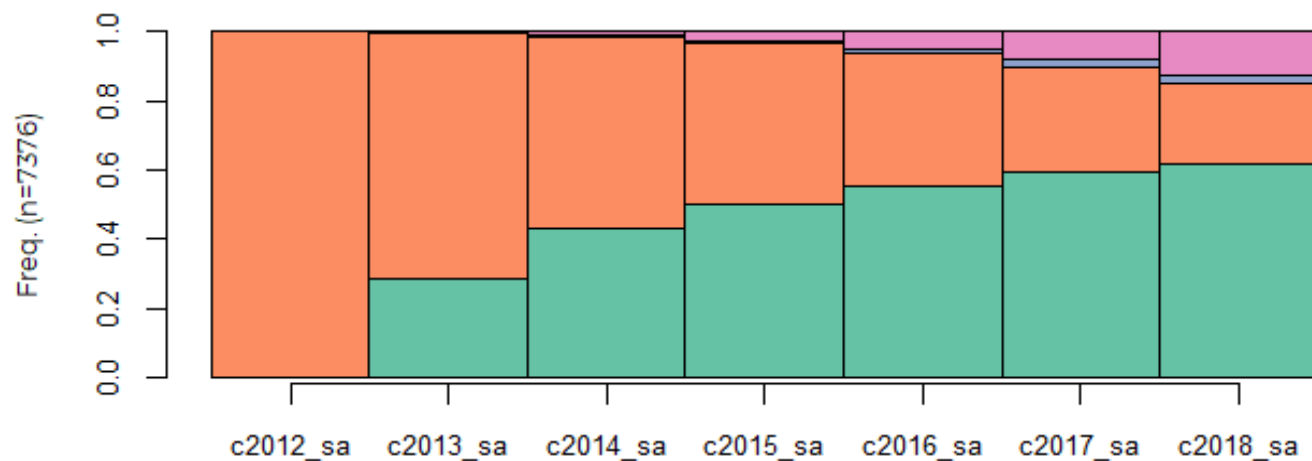
Students' trajectories in Higher Education - UPorto



Higher Education Trajectories - Catalan Face-to-face University



Higher Education Trajectories - Catalan Distance University

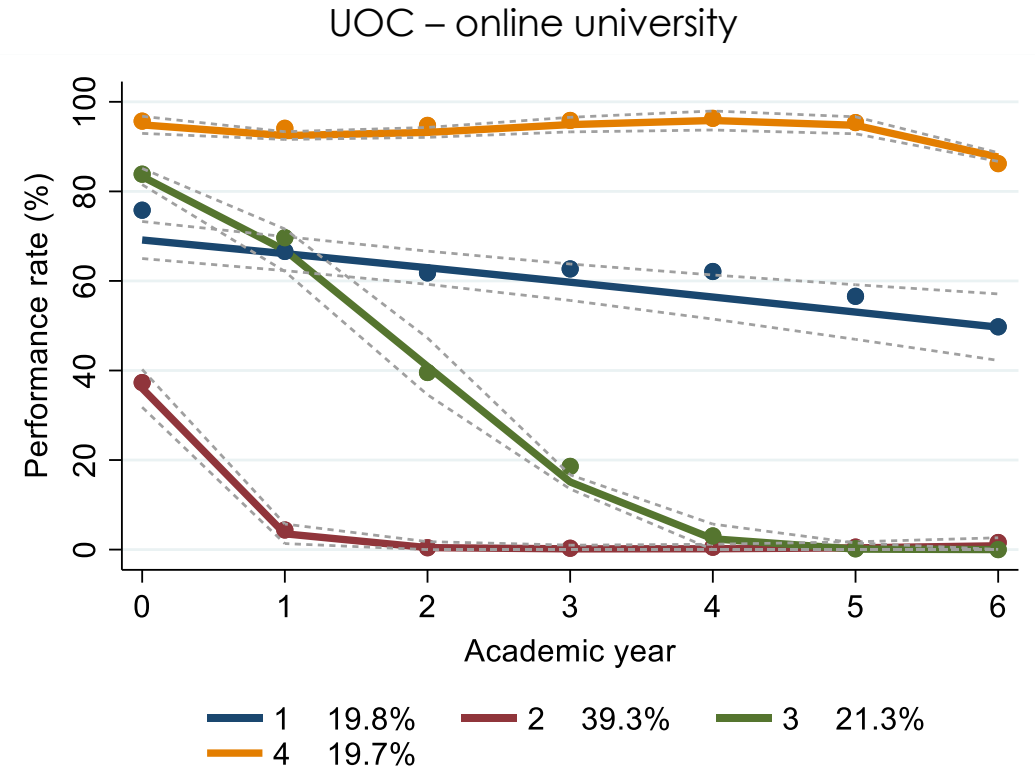
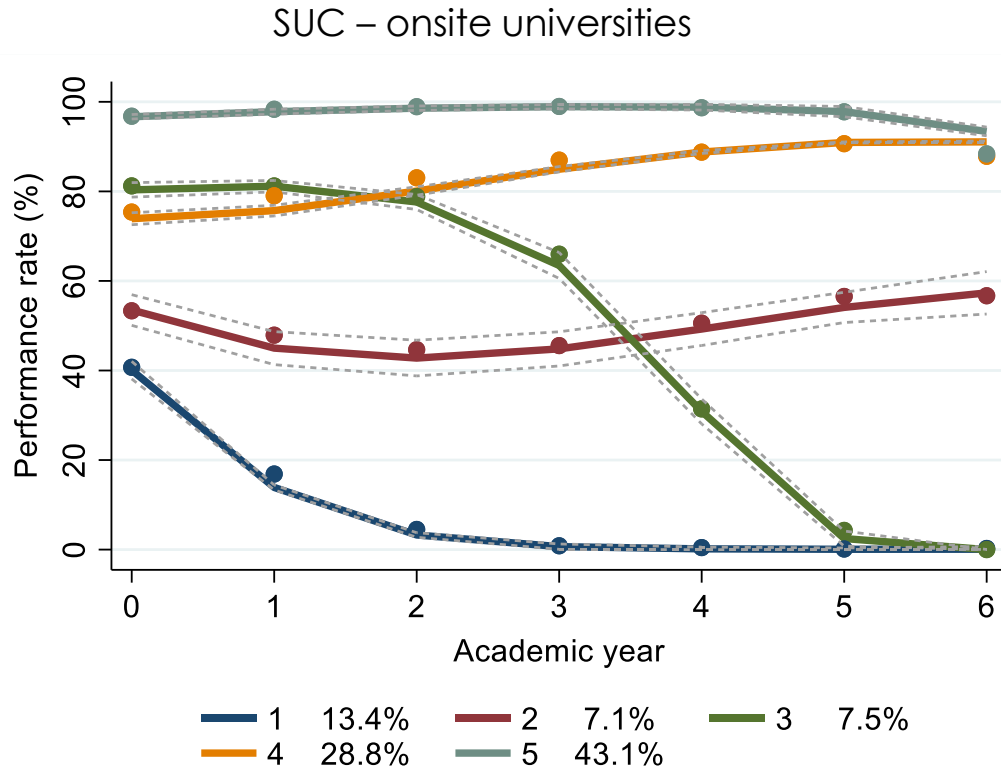


- Not Higher Education
- Bachelor Degree
- Master Degree
- Graduated

Complex Trajectories

		Complex Trajectories (other than t+1) %	1 st year drop-out %	Total drop-out %	Change of degree %	Persistence %	Access to Master's degree %
On-line	UOC		23.6	62.4	10.4	19.3	4.4
	OU		39.9	58.3	20.5	0.6	--*
On-line: degree in education	UAb		44.4	70.6	--	5	--*
On-site: Single universities	UP	43.3	11.5	25.4	9.2	2.5	44.4
	UB	57.8	25	41.4	20	0.5	27.9
	UV	48.6	18.9	29.5	8.8	6.3	13.6
	UAB	56.1	6	17.7	18.4	6.5	17.8
On-site: Catalan system		61.6	6.3	19.1	21.2	8	18.4

Performance Rate Trajectory of Students.



Note: Graduated=0; drop-out=missing; early leavers included

Group Based Trajectory Modelling (GBTM): In each type or group, we classify those students who follow a similar pattern of performance and pace over the years.

Analysis of Change

- ▣ Article on changing of modality:

- ▣ Report:

- ▣ It is worth making a change of studies when the performance on 1st course is poor.
- ▣ The option of changing studies is more followed by students from higher socio-educational backgrounds.

International Journal of Educational Technology in Higher Education

The following new articles have just been published in [International Journal of Educational Technology in Higher Education](#)

RESEARCH ARTICLE

[Going online? Does transferring to online university increase the likelihood of graduation among students from lower social background?](#)

Albert Sánchez-Gelabert and Marina Elias

International Journal of Educational Technology in Higher Education 2023, 20:39 |
Published on: 3 July 2023



Website of the project:
<https://web.fe.up.pt/~complex/pages/about.html>