

Second Workshop on Education Economics

Maastricht, March 23-24, 2016

Top Institute for Evidence Based Education Research



Overview program

This workshop on Education Economics seeks to explore the use of economic and econometric techniques to study educational issues.

KU LEUVEN

LEUVEN ECONOMICS
OF EDUCATION RESEARCH

The workshop is organized by the research centre *Top Institute for Evidence Based Education Research* (TIER) at Maastricht University and the *Leuven Economics of Education Research* (LEER) at KU Leuven.

2016

Wednesday, March 23

8.45-9.15 **Registration and coffee** | **Court Yard**

9.15-9.30 **Welcome** | **Room 0.009**

Kristof De Witte (TIER - Maastricht University, LEER – KU Leuven)

Wim Groot (TIER – Maastricht University)

9.30-10.15 **Keynote speaker:**

Sandra McNally (London School of Economics) | **Room 0.009**

Title: Teaching and Learning Literacy (joint with Stephen Machin and Martina Viarengo)

Abstract: A significant number of people have very low levels of literacy in many OECD countries. Many economic studies show high labour market returns to literacy – although the benefits extend well beyond the labour market. However, it is not clear what teaching strategies are most useful for actually improving literacy. It is hugely controversial amongst educationalists and little studied by economists. Research evidence in Scotland prompted a national change in the guidance given to schools in England in the mid-2000s about how children are taught to read. We conceptualise this as a shock to the education production function. We use the phasing in of intensive support to schools to estimate the effect of the new teaching strategy on children’s educational attainment. Using longitudinal data, we can track effects throughout primary school. We also estimate effects for those with a higher propensity to struggle with reading at an early age (i.e. those from poor backgrounds and non-native speakers of English). We find there to be short-term effects of the teaching technology (‘synthetic phonics’) at age 5 and 7 that appear to fade out by the age of 11, except for those groups with a higher propensity to struggle with reading – where we find evidence of a persistent effect.

10.15-10.25 **Room change**

10.25-12.25 **Parallel sessions – 1**

12.25-13.45 **Lunch** | **Court Yard**

13.45-14.30 Keynote speaker:

Hessel Oosterbeek (University of Amsterdam) | Room 0.009

Title: The performance of school assignment mechanisms in practice (joint with Monique de Haan, Pieter Gautier & Bas van der Klaauw)

Abstract: Theory points to a potential trade-off between two main school assignment mechanisms: Boston and Deferred Acceptance (DA). While DA is strategy-proof and gives a stable matching, Boston might outperform DA in terms of ex-ante efficiency. We quantify the (dis)advantages of the mechanisms by using information about actual choices under (adaptive) Boston complemented with survey data eliciting students' school preferences. We find that under Boston around 8% of the students apply in the first round to another school than their most-preferred school. We compare allocations resulting from Boston with DA with single tie-breaking (one central lottery; DA-STB) and multiple tie-breaking (separate lottery per school; DA-MTB). DA-STB places more students in their top- n schools, for any n , than Boston and results in higher average welfare. We find a trade-off between DA-STB and DA-MTB. DA-STB places more students in their single most-preferred school than DA-MTB, but fewer in their top- n , for $n \geq 2$. Finally, students from disadvantaged backgrounds benefit most from a switch from Boston to one of the DA mechanisms.

14.30-14.40 Room change

14.40-16.10 Parallel sessions – 2

16.10-16.40 Break and refreshments | Court Yard

16.40-18.10 Parallel sessions – 3

19.30... ***Workshop dinner at the restaurant: 'Au Coin Des Bons Enfants' Ezelmarkt 4, Maastricht***

2016

Thursday, March 24

8.45-9.00 **Registration** | **Court Yard**

9.00-9.45 **Keynote speaker:**
Daniele Checchi (University of Milan) | **Room 0.009**

Title: Publish or Perish? Incentives and Careers in Italian Academia

Abstract: We derive a model of effort in the presence of career concern based on the multi-unit all-pay auction, and closely inspired by the Italian academic environment. In our model, the number of posts, the number of applicants, and the relative importance of the criteria for promotion determine academics' effort and output. Because of the specific characteristics of Italian universities, where incentives operate only through promotion, and where all appointment panels are drawn from strictly separated and relatively narrow scientific sectors, the model fits well Italian academia, and we test it in a newly constructed dataset which collects the journal publications of all Italian university professors. We find that individual researchers respond to incentives in the manner predicted by the model: more capable researchers respond to increases in the importance of the measurable determinants of promotion and in the competitiveness of the scientific sector by exerting more effort; less able researchers do the opposite. The model predicts a reduction of effort following a new rule introduced in 1999; this prediction finds empirical confirmation in the data.

9.45-9.55 **Room change**

9.55-12.55 **Parallel sessions – 4**

12.55-14.15 **Lunch** | **Court Yard**

14.30-15.15 **Keynote speaker:**
Kristof De Witte (Maastricht University, KU Leuven) | **Room 'Aula Maastricht University' – Minderbroedersberg 4-6, Maastricht**

Title: Effectiveness and Efficiency of Educational Innovations

Abstract: Despite the fact that we organize education in a very similar way as decades ago, there are daily innovations in education. While most of these innovations are costly, advocates point to their effect on efficiency and effectiveness. The former denotes that outcomes, e.g. educational attainments, can be achieved with fewer resources, or that with the same resources higher outcomes can be obtained. The latter -effectiveness- indicates that the expected outcomes are attained. This chair continues to this stream of ideas by looking at the efficiency and effectiveness of educational innovations in education. During the public acceptance of the chair 'Effectiveness and Efficiency of Educational Innovations', I provide an

overview of my earlier work. In particular, using insights from earlier papers, I will answer the question how efficiency and effectiveness are intertwined in educational innovations; how resource-driven policies influence educational innovations; how we can measure educational performance in an accurate way; and I discuss the effectiveness of some interventions in early school leaving. Finally, I elaborate some avenues for further research.

15.15-17.00 Drinks

17.00 End of the Workshop

17.00 ... For those of you who have some extra free time, a visit to Cologne, Aachen and Antwerp is definitely worthwhile

OVERVIEW PARALLEL SESSIONS

		Room 0.009 – Education-Labour market	Room 1.008 – Confidence and behavior	Room 2.006 – Instruction time
Wednesday, March 23 10.25-12.25	1	The Labour Market Position of Early School-leaving Youth: are the prospects really that bad? Sofie Cabus	The Effect of Multigrade Classrooms on Student Behavior. Reza Sattari	New Evidence on the Effect of Computerized Individualized Practice and Instruction on Language Skills. Joris Ghysels and Carla Haelermans
	2	Bilingual Schooling and Earnings: Evidence from a Language-in-Education Reform. Lorenzo Cappellari & Antonio Di Paolo	Motivation to Learn: Confidence in Levels versus Confidence in Gains. Mira Fischer and Dirk Sliwka	High school duration and its effects on university education. Evidence from the G8 reform. Jan Marcus & Vaishali Zambre
	3	Mismatch between Education and the Labour Market in the Netherlands: Is it a Reality or a Myth? –The Employers’ Perspective. Sofie Cabus & Meline Somers	Children Left Behind: Self-confidence of Pupils in Competitive Early Tracking Environments. Miroslava Federičová, Filip Pertold , Michael Smith	The Heterogeneous Effects of a Compulsory school leaving Age Raise. Anna Adamecz
	4	Does it Pay to Move? Returns to Regional Mobility to the First Job for German Graduates. Michael F. Maier and Maresa Sprietsma	Educational mismatch consequences are the cognitive skills and personality traits important? Marta Palczyńska	More instruction time and the effect on student performance: Quasi-experimental evidence from PISA. Mathias Huebener , Susanne Kuger, Jan Marcus
		Room 0.009 – Efficiency in education	Room 1.008 – Education-labour market	Room 1.028 – Student achievement
Wednesday, March 23 14.40-16.10	1	Efficiency and competition in secondary schools in the UK. Laura Lopez Torres, Jill Johns & Caroline Elliott	Youth unemployment: the role of cognitive skills and labor market institutions. Margarida Rodrigues	Thinking Smart or Thinking Fast? Experimental Evidence on Framing Effects in Elementary Schools. Valentin Wagner .
	2	Productivity Growth of Norwegian Institutions of Higher Education 2004 – 2013. Dag Fjeld Edvardsen. Finn R. Førsund & Sverre A. C. Kittelsen	The incidence of and returns to overeducation: PIAAC evidence on the G7. Geraint Johnes	The Influence of Class size on Academic Underachievement. An advanced Stochastic Frontier Approach. Deni Mazrekaj , Kristof De Witte and Thomas Triebs

	3	A Unified Productivity-Performance Approach, with an Application to Secondary Schools in the Netherlands. Laurens Cherchye, Kristof De Witte and Sergio Perelman	The effects of the 1999 Polish educational reform on labour market outcomes. Drucker, Luca Flóra and Dániel Horn	Secondary school track choice and local characteristics. Kłobuszewska Małgorzata & Rokicka Magdalena
		Room 0.009 - Grading	Room 1.008 – Education-labour market	Room 1.028 – Higher education
Wednesday, March 23 16.40-18.10	1	Does Truancy Cause Bad PISA Results? What can be Learned on the Effect in Presence of Measurement Error. Stefanie Hof & Christine Sälzer	How does maternal labor supply respond to changes in children’s school schedule? Emma Duchini & Clémentine Van Effenterre	Typologies of universities: a DEA-MDS analysis for the Spanish Higher Education System. Eva M. de la Torre , Martí Sagarra, Carmen Perez-Esparrells & Fernando Casani
	2	The Impact of Early Grading on Academic Choices: Mechanisms and Social Implications. Luca Facchinello	The effects of higher teacher pay on teacher retention. Sander Gerritsen, Sonny Kuijpers & Marc van der Steeg	The interaction between dropout, graduation rates and quality ratings in universities. Eline Sneyers & Kristof De Witte
	3	The Value of Choice: an Experiment with Multiple Choice Questions (MCQ). Henry Aray and Luis Enrique Pedauga	Education and skill matching in the European Labour Markets. Some preliminary evaluations from a multilevel analysis. Laura Chies & Grazia Graziosi	The Attractiveness of Programs in Higher Education: An Empirical Approach. Ferdi Widiputera

		Room 0.009 - School management	Room 1.008 - Inequality	Room 1.028 – Gender
Thursday, March 24 9.55-12.55	1	School district consolidation: Scale economies and the optimal scale of education. Fritz Schiltz and Kristof De Witte	Where are the resilient schools and what makes the school resilient. Jean Hindriks & Mattéo Godin	The Effect of Adaptive versus Static Practicing on Student Learning - Evidence from a Randomized Field Experiment. Chris Van Klaveren, Ilja Cornelisz & Sebastiaan Vonk
	2	Italian school principals' managerial behaviors and students' test scores: an empirical analysis. Tommaso Agasisti, Patrizia Falzetti & Mara Soncin	Short- and long-term effects of elite high schools. Ohto Kanninen and Mika Kortelainen	Fertility Timing and Education. Jonathan James & Sunčica Vujić
	3	Private schools and student achievement. Ebrahim Azimi, Jane Friesen and Simon Woodcock.	Estimating the impact of health on NEET status. Daniel Gladwell, Gurleen Popli , and Aki Tsuchiya	Do Rewards Reduce Effort? Evidence From University Exams. David Kiss, Malte Sandner , Daniel Schnitzlein
	4	Parents, Schools and Human Capital Differences across Countries. Marta De Philippis & Federico Rossi	The effect of parental involvement on digital practice for math- and language of secondary students. Carla Haelermans & Joris Ghysels	Single-sex schools, achievement and subject choice: assessing the effect of selection on unobservables. Francesca Foliano
	5	The demand for autonomous schools. Marco Bertoni , Stephen Gibbons & Olmo Silva	Enrollment and degree completion in higher education without admission standards. Koen Declercq and Frank Verboven	Gender Differences in Math Test Scores: new evidence from a cross-country panel data analysis. Antonella D'Agostino, Sergio Longobardi , Margherita Maria Pagliuca & Andrea Regoli

Venue:

Address: TIER
Maastricht University
Kapoenstraat 2
6211 KW Maastricht, The Netherlands

Registration:

Register via <http://www.tierweb.nl/tier/workshop-on-education-economics/workshop-on-education-economics/>

Contact:

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