Thilo Klein   Curriculum Vitae

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CURRENT POSITION

OECD/PARIS21, Paris, France

Analyst, Development Co-operation Directorate   **Oct 2014 – present**

EDUCATION

University of Cambridge, UK

Ph.D. in Business Economics   **Oct 2010 – Sep 2014**
Dissertation title: "Stable Matching in Microcredit: Implications for Market Design & Econometric Analysis". Examiners: Hamish Low and Maitreesh Ghatak (LSE).

M.Phil. in Management Science & Operations   **Oct 2009 – Jul 2010**
Grade: 77%, Distinction with highest grade in the cohort. Courses cover: Stochastic Processes, Mathematical Programming, Information Economics, Game Theory, Econometrics.

Dublin Institute of Technology, Ireland

Erasmus programme at the School of Accounting & Finance   **Sep 2006 – Jan 2007**

Friedrich-Schiller-Universität Jena, Germany

Diploma in Business Education & Mathematics (M.Sc. equiv.)   **Sep 2004 – Apr 2009**
Grade: 1.5, top 6% of class. 5-year degree with state examination as teacher for secondary Economics and Maths. Facultative majors in Statistics (1.5) and Economic Theory (1.3).

EXECUTIVE EDUCATION

Université Paris-Dauphine, France

Certificat, Data Science   **Mar 2016 – present**
Courses cover: Hadoop MapReduce framework, NoSQL architecture and languages, data mining and machine learning algorithms, cloud computing.

SELECTED PUBLICATIONS

"Does Anti-Diversification Pay? A One-Sided Matching Model of Microcredit", *Cambridge Working Papers in Economics #1521, Faculty of Economics, University of Cambridge*

"Analysis of Stable Matchings in R: Package matchingMarkets", *Vignette to R package matchingMarkets, The Comprehensive R Archive Network.*

"Public-Private Partnerships for Statistics. Lessons Learned, Future Steps", *OECD Development Co-operation Working Paper #27*. (with Nicholas Robin and Johannes Jütting)

"Making Data Portals Work for SDGs: A View on Deployment, Design and Technology", *PARIS21 Discussion Paper #8*. (with Geoffrey Greenwell et al.)

"Data for Development: A Needs Assessment for SDG Monitoring and Statistical Capacity Development", *Technical Report, UNSDSN, 2015*. (with Jessica Espey et al.)

"Why Do India's Urban Poor Choose to Go Private? Health Policy Simulations in Slums of Hyderabad", *Ibidem Press, 2012, ISBN 978-3-8382-0238-9*.

"Microfinance 2.0 – Group Formation & Repayment Performance in Online Lending Platforms", *Ibidem Press, 2010, ISBN 978-3-8382-0118-4*.

PROFESSIONAL EXPERIENCE

International Labour Organization (ILO), Geneva, Switzerland

Carlo-Schmid-Fellow and Consultant, Enterprises Department   **Sep 2012 – May 2013**
Co-development of a global monitoring system for the ILO's flagship entrepreneurship training programme with more than 4.5 million trainees worldwide. Design and analysis of (quasi-)experimental impact evaluations of entrepreneurship training programmes. Implementation of an online collaboration platform on results measurement.

PROFESSIONAL EXPERIENCE (CONT'D)	**PlaNet Finance**, Paris, France	

Statistical Consultant **Dec 2009 – Jul 2010**

Statistical consultant for PlaNIS, the department of PlaNet Finance that advises international funds in financing microfinance institutions. Validation of PlaNIS' risk methodology.

Spandana Financial Services Ltd., Hyderabad, India

Statistical Analyst **Jun 2009 – Sep 2009**

Implementation of a credit scoring system for India's second largest microfinance institution. Design and evaluation of discrete choice experiments on maternity care in urban slums.

Bayer AG, Leverkusen, Germany

Commercial Apprentice **Oct 2002 – Jul 2004**

Apprenticeship in four departments of the chemical and pharmaceutical company.

TEACHING EXPERIENCE

OECD/PARIS21

Course leader, Data Visualisation & Communication 🖰 **Oct 2015 – present**

University of Cambridge

Social Sciences' Research Methods Centre

Lecturer, Game Theory 🖰 (with Chi Kong Chyong) **Oct 2013 – Apr 2015**

Cambridge Judge Business School

Lecturer, Replication Lab 🖰 (with Paul Kattuman) **Oct 2013 – Apr 2014**
Lecturer, Econometrics 🖰 and Quantitative Methods 🖰 **Oct 2010 – Apr 2012**
Supervisor, Economics of Firms & Markets (Mgmt Tripos) **Oct 2009 – Jun 2010**

Faculty of Economics

Supervisor, Theory & Practice of Econometrics (Econ Tripos) **Oct 2009 – Jun 2010**

TEACHING EXPERIENCE (CONT'D)

Eberhard-Karls-Universität Tübingen: *Lecturer* (Mar 2014) for Seminar in Development Economics: Credit, Savings & Insurance.

Friedrich-Schiller-Universität Jena: *Tutor* for Statistics (Summer Semester 2008), Mathematics (WS05, SS06), Microeconomics (WS07) and Macroeconomics (SS06, SS07, SS08).

Secondary/vocational schools: *Foreign language assistant* (Nov 2008 – Feb 2009) in the Comenius programme of the EU at Salhus Skole Brønnøysund, Norway; *Trainee teacher* (Feb 2008 – Apr 2008) at Bayer AG Trade School.

RESEARCH ASSISTANCE

Max-Planck-Institute of Economics: *Research assistant and graduand* (Mar 2007 – Oct 2008). Contribution to project work in an international team of economists 🖰.

Fraunhofer Institute for Industrial Mathematics: *Research intern* (Aug 2007 – Sep 2007). Credit risk modeling and validation of credit rating models.

Friedrich-Schiller-Universität Jena: *Student assistant* (Feb 2007 – Jul 2008). Microcensus of entrepreneurs in the state of Thuringia. Planning, execution and evaluation of structured interviews with nascent entrepreneurs and start-ups 🖰.

ATHLETIC ACHIEVEMENTS

German athletic champion with the 3x1000m relay of TSV Bayer 04 Leverkusen (Schweinfurt, 29/07/2001) and runner-up in the 800m junior championship (Dresden, 14/07/2000).

LANGUAGES

German (native); English (fluent); French (conversational)

PROGRAMMING

R; C++; SQL; Hadoop framework; Markdown; LaTeX; HTML; PHP; CSS; JavaScript.

REFERENCES

Available on request.