Thilo Klein CV

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CURRENT Pforzheim University

Positions Professor for Quantitative Economics 2019 – date

ZEW | Leibniz-Centre for European Economic Research, Mannheim

Head, Research Area 'Design of Matching Markets' 2017 – date

Previous Heilbronn University

Positions Professor for Quantitative Methods and Business Economics 2019

OECD | Organisation for Economic Co-operation and Development, Paris

Economist, Statistics Directorate 2014 – 2017

ILO | International Labour Organization, Geneva

Carlo-Schmid-Fellow, Enterprises Department [™] 2012 − 2013

Bayer AG, Leverkusen

Trainee, Supply Chain Management 2002 – 2004

EDUCATION University of Cambridge, UK

Ph.D. in Business Economics
2010 - 2014

M.Phil. in Management Science & Operations
2009 - 2010

Friedrich-Schiller-University Jena

Diploma in Business Education & Mathematics 2004 – 2009

EXECUTIVE Université Paris-Dauphine
EDUCATION Contificate in Data Science Continue C

EDUCATION Certificate in Data Science 🖰 2016

Publications
- Articles

Ortega, J.; T. Klein (2023). The Cost of Strategy-Proofness in School Choice, Games and Economic Behavior .

Aue, R.; T. Klein; J. Ortega (2023). School Choice with Independent versus Consolidated Districts, Games and Economic Behavior. (review and resubmit)

Klein, T.; M. Ott (2023). Effiziente und faire Verteilung von Lebensmittelspenden, Wirtschaftsdienst – Zeitschrift für Wirtschaftspolitik, Heft 08/2023 🛅.

Reischmann, T.; T. Klein; S. Giegerich (2021). A deferred acceptance mechanism for decentralized, fast and fair childcare assignment, *Journal of Mechanism and Institution Design*, 6(1): 59-100 $\stackrel{\frown}{\square}$.

Gretschko, V.; T. Klein; A. Wambach (2019). Die Regeln machen den Unterschied: Marktdesign, Wirtschaftswissenschaftliches Studium, 48(4): 22-28 🛅.

- Working Papers Klein, T. (2023). Matching for Credit: Testing Market Rules Across Models of Joint-Liability Lending. (submitted)

Klein, T. (2023). Analysis of Stable Matchings in R: Package matchingMarkets, Vignette to R package matchingMarkets (submitted) $\stackrel{\sim}{\square}$.

Ortega, J.; T. Klein (2022). Improving Efficiency and Equality in School Choice, ZEW Discussion Paper #22-046 $\stackrel{\frown}{\Box}$.

Aue, R., T. Klein; J. Ortega (2020). What Happens when Separate and Unequal School Districts Merge?, ZEW Discussion Paper #20-032

Klein, T. (2017). Intermediation in Peer-to-Peer Markets: Evidence from Auctions for Private Loans, ZEW Discussion Paper #17-073 .

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- Working Papers Klein, T.; S. Verhulst (2017). Access to New Data Sources for Statistics: Business Models (cont'd) and Incentives for the Corporate Sector, OECD Statistics Working Paper #17/01 .

Robin, N.; T. Klein; J. Jütting (2016). Public-Private Partnerships for Statistics. Lessons Learned, Future Steps, OECD Development Co-operation Working Paper #27 .

Klein, T. et al. (2016). Making Data Portals Work for SDGs: A View on Deployment, Design and Technology, PARIS21 Discussion Paper #8 $^{\circ}$.

Klein, T.; A. Galdin; E. Mohamedou (2016). An Indicator for Statistical Literacy Based on National Newspaper Archives, *IASE 2016 Roundtable Paper* 🛅.

Klein, T. (2015). Does Anti-Diversification Pay? A One-Sided Matching Model of Microcredit, Cambridge Working Papers in Economics #1521, University of Cambridge .

Policy Briefs (selected)

Atayev, A.; G. Caspari; A. Hillenbrand; T. Klein (2023). Tapping into People's Impatience for Better Environmental Subsidies, ZEW Policy Brief Nr. 4, Mai 2023 .

Klein, T.; M. Ott (2023). Mit Digitalisierung gegen Lebensmittelverschwendung, ZEW Policy Brief Nr. 9, Juni 2023 🛅.

Klein, T.; P. vom Baur (2019). Matching Practices for Teaching Positions in Public Schools in Germany, *Matching-in-Practice Country Profile* # 28 $^{\circ}$.

Herzog, S.; T. Klein (2018). Matching Practices for Childcare in Germany, Matching-in-Practice Country Profile # 26 .

Klein, T. (2018). How Big Data Generated by Companies Can Be Used to Protect the Environment, ZEW News, Economic Policy Analysis, Issue 02/2018 .

Fugger, N.; T. Klein; T. Riehm (2017). Dezentrale Kitaplatzvergabe ohne Warteschlange: Ein Leitfaden, ZEW Policy Brief Nr. 4, Oktober 2017 $^{\circ}$.

Klein, T. (2017). How to Measure Global Statistical Literacy, OECD Statistics Newsletter, Issue 66, OECD Publishing .

Jütting, J.; T. Klein (2016). Measuring Support to Statistics in Developing Countries, OECD Statistics Newsletter, Issue 65, OECD Publishing .

SERVICE

Referee for Management Science

Teaching

Pforzheim University

Analysis and Linear Algebra; Statistics I+II; Econometrics; 2019/20 – date Mathematical Optimization; Predictive Analytics; Risk Management

Heilbronn University

Models of Data Assessment; Digital Economy; Academic Writing

University of Mannheim

Market Design: Auctions and Matching Algorithms

2018/19

2018/19

University of Cambridge

 $\begin{array}{ll} {\rm Game\ Theory} & 2013/14-2014/15 \\ {\rm Replication\ Lab} & 2013/14 \\ {\rm Econometrics\ I+II;\ Quantitative\ Methods\ I+II} & 2010/11-2011/12 \end{array}$

Press Coverage

Efficient environmental subsidies

Mannheimer Morgen 06/2023

Digitisation for food donations

Süddeutsche Zeitung 07/2023 $\stackrel{\bullet}{\square}$; Zeit 07/2023 $\stackrel{\bullet}{\square}$; Welt 07/2023 $\stackrel{\bullet}{\square}$; Focus 07/2023 $\stackrel{\bullet}{\square}$; Stern 07/2023 $\stackrel{\bullet}{\square}$; WirtschaftsWoche 01/2020 $\stackrel{\bullet}{\square}$; Welt 06/2018 $\stackrel{\bullet}{\square}$

Algorithms for matching markets

WirtschaftsWoche 12/2021 $\stackrel{\bullet}{\square}$; Zeit 02/2021 $\stackrel{\bullet}{\square}$; WirtschaftsWoche 01/2020 $\stackrel{\bullet}{\square}$; FAZ 11/2019 $\stackrel{\bullet}{\square}$; Rheinpfalz 10/2018 $\stackrel{\bullet}{\square}$; WDR 06/2018; Westfälische Nachrichten 03/2018 $\stackrel{\bullet}{\square}$; FAZ 06/2017 $\stackrel{\bullet}{\square}$