Thilo Klein   CV

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CURRENT POSITIONS

Pforzheim University
Professor (W2) for Quantitative Economics 🔗   **2019 – date**

ZEW | Leibniz Centre for European Economic Research, Mannheim
Advanced Researcher, Research Unit 'Market Design'   **2017 – date**
Head of Research Area 'Design of Matching Markets' 🔗   **2017 – date**

PREVIOUS POSITIONS

Heilbronn University
Professor (W2) for Quantitative Methods and Business Economics   **2019 – 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**
Committee: Hamish Low, Maitreesh Ghatak. Advisor: Paul Kattuman
M.Phil. in Management Science & Operations   **2009 – 2010**

Friedrich-Schiller-University Jena
Diploma in Business Education & Mathematics   **2004 – 2009**

PUBLICATIONS – Articles

Ortega, J.; T. Klein (2023). The Cost of Strategy-Proofness in School Choice, *Games and Economic Behavior, 141: 515-528* 🔗.

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

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

– In Progress

Experimental School Choice with Real Parents (with M. Freer and J. Ortega)

The Effects of Attending High Track Schools: Evidence from Hungarian Centralized School Assignments (with M. Bach and S. McNamara)

School Types: Evidence on the Relative Effectiveness of Different School Arrangements (with M. Bertoni, F. Gonschorek and O. Silva)

– 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)* 🔗.

Ortega, J.; T. Klein (2022). Improving Efficiency and Equality in School Choice, *ZEW Discussion Paper #22-046* 🔗.

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

– Working Papers (cont'd)	Klein, T. (2017). Intermediation in Peer-to-Peer Markets: Evidence from Auctions for Private Loans, *ZEW Discussion Paper #17-073* 🗎.
	Klein, T.; S. Verhulst (2017). Access to New Data Sources for Statistics: Business Models 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* 🗎.
	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	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* 🗎.
	Herzog, S.; T. Klein (2018). Matching Practices for Childcare in Germany, *Matching-in-Practice Country Profile # 26* 🗎.
	Klein, T. (2018). Matching for Microcredits – Market Design Approaches to Financial Integration, *ZEW News, Economic Policy Analysis, Issue 11/2018* 🗎
	Klein, T. (2018). How Market Design Can Make Food Donations More Efficient, *ZEW News, Economic Policy Analysis, Issue 07/2018* 🗎
	Klein, T. (2018). How Big Data Generated by Companies Can Be Used to Protect the Environment, *ZEW News, Economic Policy Analysis, Issue 02/2018* 🗎
	Klein, T. (2017). How Can Cities Handle the Stampede for Nursery Places?, *ZEW News, Economic Policy Analysis, Issue 06/2017* 🗎.
	Fugger, N.; T. Klein; T. Riehm (2017). Dezentrale Kitaplatzvergabe ohne Warteschlange: Ein Leitfaden, *ZEW Policy Brief Nr. 4, Oktober 2017* 🗎.
	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* 🗎.
– Reports	Aue, R. et al. (2020). The Implication of School Admission Rules for Segregation and Educational Inequality. *ZEW Research Report.* 🗎
	Badiee, S., J. Jütting and T. Klein (2017). The Role of National Statistical Systems in the Data Revolution, *Chapter 3: Development Co-operation Report, OECD Publishing* 🗎.
	Badiee, S., T. Klein and E. Mohamedou (2017). Rethinking Donor Support for Statistical Capacity Development, *Chapter 4: Dev. Co-operation Report, OECD Publishing* 🗎.
	Klein, T. and P. van de Ven (2017). Measuring the Value of Official Statistics, *Chapter 5: UNECE Report on Recommendations for Promoting, Measuring and Communicating the Value of Official Statistics, United Nations ECE* 🗎.
	PARIS21 (2015-17). Partner Report on Support to Statistics, *OECD Publishing* 🗎.
	Espey, J. et al. (2015). Data for Development: A Needs Assessment for SDG Monitoring and Statistical Capacity Development, *Technical Report, United Nations SDSN* 🗎.
– Software	R package `matchingMarkets`: Algorithms and estimators for matching markets 🗎
	`Matching Tools API`: Application programming interface for matching algorithms 🗎
	`KitaMatch`: Software documentation for childcare allocation 🗎

– Books	Klein, T. (2015). Matching for Credit: Implications for Market Design and Econometric Analysis, *Dissertation, University of Cambridge*.
	Klein, T. (2012). Why Do India's Urban Poor Choose to Go Private? Health Policy Simulations in Slums of Hyderabad, *Ibidem Verlag: Stuttgart, ISBN 978-3-8382-0238-9* 🔗.
	Klein, T. (2010). Microfinance 2.0: Group Formation & Repayment Performance in Online Lending Platforms, *Ibidem Verlag: Stuttgart, ISBN 978-3-8382-0118-4* 🔗.

REFEREEING	Programme Committee: *15th European Matching-in-Practice Workshop*, Mannheim 2018; *16th European Matching-in-Practice Workshop*, Gothenburg 2019; *17th European Matching-in-Practice Workshop*, 2021 Saint Petersburg
	Journals: *Management Science*

GRANTS (SELECTED)	TafelLink: Market design for food donations of producers and wholesalers, Federal Ministry of Food and Agriculture, €240.000	**2023 − 2026**
	Tapping into people's impatience for better environmental subsidies 🔗, ZEW Sponsors' Association, €25.000	**2023 − 2024**
	KitaMatch: Software for fast, fair and transparent daycare matching 🔗, Bertelsmann Foundation, €40.000	**2021 − 2023**
	eco-Plattform: Market design for food donations of retailers 🔗, Federal Ministry of Food and Agriculture, €240.000	**2019 − 2023**
	iLearn: Improving school admissions for diversity and better outcomes 🔗, Leibniz Association, €340.000 (joint with DIW Berlin)	**2019 − 2023**
	Design and impact of admissions rules for schools 🔗, ZEW, €330.000	**2019 − 2022**

PRESS COVERAGE	**Environmental subsidies**
	Mannheimer Morgen 06/2023 🔗
	Market design for food donations
	Süddeutsche Zeitung 07/2023 🔗; Zeit 07/2023 🔗; Welt 07/2023 🔗; Focus 07/2023 🔗; Stern 07/2023 🔗; WirtschaftsWoche 01/2020 🔗; Welt 06/2018 🔗
	Algorithms for matching markets
	Tagesspiegel 08/2023 🔗; Zeit 08/2023 🔗; WirtschaftsWoche 12/2021 🔗; Zeit 02/2021 🔗; WirtschaftsWoche 01/2020 🔗; FAZ 11/2019 🔗; Rheinpfalz 10/2018 🔗; WDR 06/2018; Westfälische Nachrichten 03/2018 🔗; FAZ 06/2017 🔗

CONFERENCES ORGANISED	*Workshop on Algorithmic School Choice*, Paderborn 2023; *Easter Workshop on School Choice*, Belfast 2022; *15th European Matching-in-Practice Workshop*, Mannheim 2018; *OECD-PARIS21 Big Data Workshop*, Paris 2015; *CJBS Doctoral Conference*, Cambridge 2011–2014.

TEACHING (SELECTED)	**Pforzheim University**	
	Analysis and Linear Algebra; Statistics I+II; Econometrics; Mathematical Optimization; Predictive Analytics; Risk Management	**2019/20 − date**
	Heilbronn University	
	Models of Data Assessment; Digital Economy; Academic Writing	**2018/19**
	University of Mannheim	
	Market Design: Auctions and Matching Algorithms (with V. Gretschko)	**2018/19**
	University of Tübingen	
	Microfinance (Credit, Savings & Insurance)	**2013/14**
	University of Cambridge	
	Game Theory	**2013/14 − 2014/15**
	Replication Lab	**2013/14**
	Econometrics I+II; Quantitative Methods I+II	**2010/11 − 2011/12**