

CONTACT	ZEW – Leibniz Centre for European Economic Research Research Department ‘Market Design’ L7 1 · 68161 Mannheim · Germany	e-mail: <a href="mailto:thilo.klein@zew.de">thilo.klein@zew.de</a> ✉ phone: +49 621 1235-348 web: <a href="https://klein.uk">https://klein.uk</a> 📄
CURRENT POSITIONS	<b>Pforzheim University</b> <i>Professor (W2) for Quantitative Economics</i> 📄	<b>2019 – date</b>
	<b>ZEW   Leibniz Centre for European Economic Research, Mannheim</b> <i>Advanced Researcher, Research Department ‘Market Design’</i> <i>Head of Research Area ‘Design of Matching Markets’</i> 📄	<b>2017 – date</b> <b>2017 – date</b>
PREVIOUS POSITIONS	<b>Heilbronn University</b> <i>Professor (W2) for Quantitative Methods and Business Economics</i>	<b>2019 – 2019</b>
	<b>OECD   Organisation for Economic Co-operation and Development, Paris</b> <i>Economist, Statistics Directorate</i> 📄	<b>2014 – 2017</b>
	<b>ILO   International Labour Organization, Geneva</b> <i>Carlo-Schmid-Fellow, Enterprises Department</i> 📄	<b>2012 – 2013</b>
	<b>Bayer AG, Leverkusen</b> <i>Trainee, Supply Chain Management</i>	<b>2002 – 2004</b>
EDUCATION	<b>University of Cambridge, UK</b> <i>Ph.D. in Business Economics</i> Committee: Hamish Low, Maitreesh Ghatak. Advisor: Paul Kattuman <i>M.Phil. in Management Science &amp; Operations</i>	<b>2010 – 2014</b> <b>2009 – 2010</b>
	<b>Friedrich-Schiller-University Jena</b> <i>Diploma in Business Education &amp; Mathematics</i>	<b>2004 – 2009</b>
PUBLICATIONS – Articles	Ortega, J.; T. Klein (2023). The Cost of Strategy-Proofness in School Choice, <i>Games and Economic Behavior</i> , 141: 515-528 📄. Klein, T.; J. Ortega; R. Aue (2023). School Choice with Independent versus Consolidated Districts, <i>Games and Economic Behavior</i> . (revise and resubmit) Klein, T.; M. Ott (2023). Effiziente und faire Verteilung von Lebensmittelspenden, <i>Wirtschaftsdienst – Zeitschrift für Wirtschaftspolitik</i> , Heft 08/2023 📄. Reischmann, T.; T. Klein; S. Giegerich (2021). A Deferred Acceptance Mechanism for Decentralized, Fast and Fair Childcare Assignment, <i>Journal of Mechanism and Institution Design</i> , 6(1): 59-100 📄. Gretschko, V.; T. Klein; A. Wambach (2019). Die Regeln machen den Unterschied: Marktdesign, <i>Wirtschaftswissenschaftliches Studium</i> , 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, <i>Vignette to R package matchingMarkets</i> (submitted) 📄. Ortega, J.; T. Klein (2022). Improving Efficiency and Equality in School Choice, <i>ZEW Discussion Paper #22-046</i> 📄. Aue, R., T. Klein; J. Ortega (2020). What Happens when Separate and Unequal School Districts Merge?, <i>ZEW Discussion Paper #20-032</i> 📄.	

- 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	<p>Klein, T. (2015). Matching for Credit: Implications for Market Design and Econometric Analysis, <i>Dissertation, University of Cambridge</i>.</p> <p>Klein, T. (2012). Why Do India’s Urban Poor Choose to Go Private? Health Policy Simulations in Slums of Hyderabad, <i>Ibidem Verlag: Stuttgart, ISBN 978-3-8382-0238-9</i> <a href="#">↗</a>.</p> <p>Klein, T. (2010). Microfinance 2.0: Group Formation &amp; Repayment Performance in Online Lending Platforms, <i>Ibidem Verlag: Stuttgart, ISBN 978-3-8382-0118-4</i> <a href="#">↗</a>.</p>
REFEREEING	<p>Programme Committee: <i>15th European Matching-in-Practice Workshop</i>, Mannheim 2018; <i>16th European Matching-in-Practice Workshop</i>, Gothenburg 2019; <i>17th European Matching-in-Practice Workshop</i>, 2021 Saint Petersburg</p> <p>Journals: <i>Management Science</i></p>
GRANTS (SELECTED)	<p>TafelLink: Market design for food donations of producers and wholesalers, Federal Ministry of Food and Agriculture, €240.000 <b>2023 – 2026</b></p> <p>Tapping into people’s impatience for better environmental subsidies <a href="#">↗</a>, ZEW Sponsors’ Association, €25.000 <b>2023 – 2024</b></p> <p>KitaMatch: Software for fast, fair and transparent daycare matching <a href="#">↗</a>, Bertelsmann Foundation, €40.000 <b>2021 – 2023</b></p> <p>eco-Plattform: Market design for food donations of retailers <a href="#">↗</a>, Federal Ministry of Food and Agriculture, €240.000 <b>2019 – 2023</b></p> <p>iLearn: Improving school admissions for diversity and better outcomes <a href="#">↗</a>, Leibniz Association, €340.000 (joint with DIW Berlin) <b>2019 – 2023</b></p> <p>Design and impact of admissions rules for schools <a href="#">↗</a>, ZEW, €330.000 <b>2019 – 2022</b></p>
PRESS COVERAGE	<p><b>Environmental subsidies</b></p> <p>Mannheimer Morgen 06/2023 <a href="#">↗</a></p> <p><b>Market design for food donations</b></p> <p>Süddeutsche Zeitung 07/2023 <a href="#">↗</a>; Zeit 07/2023 <a href="#">↗</a>; Welt 07/2023 <a href="#">↗</a>; Focus 07/2023 <a href="#">↗</a>; Stern 07/2023 <a href="#">↗</a>; WirtschaftsWoche 01/2020 <a href="#">↗</a>; Welt 06/2018 <a href="#">↗</a></p> <p><b>Algorithms for matching markets</b></p> <p>Tagesspiegel 08/2023 <a href="#">↗</a>; Zeit 08/2023 <a href="#">↗</a>; WirtschaftsWoche 12/2021 <a href="#">↗</a>; Zeit 02/2021 <a href="#">↗</a>; WirtschaftsWoche 01/2020 <a href="#">↗</a>; FAZ 11/2019 <a href="#">↗</a>; Rheinpfalz 10/2018 <a href="#">↗</a>; WDR 06/2018; Westfälische Nachrichten 03/2018 <a href="#">↗</a>; FAZ 06/2017 <a href="#">↗</a></p>
CONFERENCES ORGANISED	<p><i>Workshop on Algorithmic School Choice</i>, Paderborn 2023; <i>Easter Workshop on School Choice</i>, Belfast 2022; <i>15th European Matching-in-Practice Workshop</i>, Mannheim 2018; <i>OECD-PARIS21 Big Data Workshop</i>, Paris 2015; <i>CJBS Doctoral Conference</i>, Cambridge 2011–2014.</p>
TEACHING (SELECTED)	<p><b>Pforzheim University</b></p> <p>Analysis and Linear Algebra; Statistics I+II; Econometrics; <b>2019/20 – date</b> Mathematical Optimization; Predictive Analytics; Risk Management</p> <p><b>Heilbronn University</b></p> <p>Models of Data Assessment; Digital Economy; Academic Writing <b>2018/19</b></p> <p><b>University of Mannheim</b></p> <p>Market Design: Auctions and Matching Algorithms (with V. Gretschko) <b>2018/19</b></p> <p><b>University of Tübingen</b></p> <p>Microfinance (Credit, Savings &amp; Insurance) <b>2013/14</b></p> <p><b>University of Cambridge</b></p> <p>Game Theory <b>2013/14 – 2014/15</b> Replication Lab <b>2013/14</b> Econometrics I+II; Quantitative Methods I+II <b>2010/11 – 2011/12</b></p>