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| CONTACT | <p>ZEW – Leibniz Centre for European Economic Research Research Department ‘Market Design’ L7 1 · 68161 Mannheim · Germany</p> <p>e-mail: thilo.klein@zew.de  phone: +49 621 1235-348 web: https://klein.uk </p> |
| CURRENT POSITIONS | <p>Pforzheim University <i>Professor (W2) for Quantitative Economics</i>  2019 – date</p> <p>ZEW – Leibniz Centre for European Economic Research, Mannheim <i>Senior Researcher, Research Department ‘Market Design’</i> 2017 – date <i>Head of Research Area ‘Design of Matching Markets’</i>  2017 – date</p> |
| PREVIOUS POSITIONS | <p>Heilbronn University <i>Professor (W2) for Quantitative Methods and Business Economics</i> 2019 – 2019</p> <p>OECD – Organisation for Economic Co-operation and Development, Paris <i>Economist (A2/A3), Statistics Directorate</i>  2014 – 2017</p> <p>ILO – International Labour Organization, Geneva <i>Carlo-Schmid-Fellow, Enterprises Department</i>  2012 – 2013</p> <p>Bayer AG, Leverkusen <i>Trainee, Supply Chain Management</i> 2002 – 2004</p> |
| EDUCATION | <p>University of Cambridge, UK <i>Ph.D. in Business Economics</i> 2010 – 2014 <i>M.Phil. in Management Science & Operations</i> 2009 – 2010</p> <p>Friedrich-Schiller-University Jena <i>Diploma in Business Education & Mathematics</i> 2004 – 2009</p> |
| PUBLICATIONS – Articles | <p>Klein, T.; R. Aue; J. Ortega (2024). School Choice with Independent versus Consolidated Districts, <i>Games and Economic Behavior</i>, 147: 170-205 .</p> <p>Ortega, J.; T. Klein (2023). The Cost of Strategy-Proofness in School Choice, <i>Games and Economic Behavior</i>, 141: 515-528 .</p> <p>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 .</p> |
| – In German | <p>McNamara, S.; T. Klein (2025). Frühe Leistungsdifferenzierung und ihre Konsequenzen: Lehren aus Ungarn für das dreigliedrige Schulsystem, <i>Wirtschaftsdienst – Zeitschrift für Wirtschaftspolitik</i>, Heft 09/2025 .</p> <p>Atayev, A.; G. Caspari; A. Hillenbrand; T. Klein (2025). Mit Ungeduld zu besseren Subventionen für umweltfreundliche Produkte, <i>Wirtschaftsdienst – Zeitschrift für Wirtschaftspolitik</i>, Heft 06/2025 .</p> <p>Steinberg, H.; S. Schüller; Y. Öztürk; T. Klein; Pia Schober (2024). Alleinerziehende in der Betreuungsplatzvergabe: Status quo und Handlungsempfehlungen, <i>Wirtschaftsdienst – Zeitschrift für Wirtschaftspolitik</i>, Heft 05/2024 .</p> <p>Klein, T.; M. Ott (2023). Effiziente und faire Verteilung von Lebensmittelspenden, <i>Wirtschaftsdienst – Zeitschrift für Wirtschaftspolitik</i>, Heft 08/2023 .</p> <p>Gretschko, V.; T. Klein; A. Wambach (2019). Die Regeln machen den Unterschied: Marktdesign, <i>Wirtschaftswissenschaftliches Studium</i>, 48(4): 22-28 .</p> |
| – Discussion Papers | <p>Klein, T.; S. McNamara (2025). Sorting, Status, and Shadow Education: How Track Placement Shapes Parental Investment, <i>ZEW Discussion Paper #25-023</i> .</p> <p>Bach, M.; T. Klein; S. McNamara (2024). Access, Achievements, and Aspirations: The Impacts of School Tracking on Student Outcomes, <i>ZEW Discussion Paper #24-076</i> .</p> <p>Klein, T. (2024). Matching for Credit: Identifying Information Asymmetries in Joint-Liability Lending, <i>ZEW Discussion Paper #24-070</i> .</p> |

- Discussion Papers (cont'd)
 - Klein, T. (2023). Analysis of Stable Matchings in R: Package `matchingMarkets`, *Vignette to R package matchingMarkets (submitted)* [📄](#).
 - 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* [📄](#).
- 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 [📄](#)

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| – 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> 📄.</p> <p>Klein, T. (2010). Microfinance 2.0: Group Formation & Repayment Performance in Online Lending Platforms, <i>Ibidem Verlag: Stuttgart, ISBN 978-3-8382-0118-4</i> 📄.</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>MatchingTools: Matching Algorithms for Education and Labour Markets, Federal Ministry for Economic Affairs and Energy, €415.000</p> <p>TafelConnect: Market design for food donations of producers, Federal Ministry of Food and Agriculture, €240.000</p> <p>Tapping into people's impatience for better environmental subsidies 📄, ZEW Sponsors' Association, €40.000</p> <p>KitaMatch: Software for fast, fair and transparent daycare matching 📄, Bertelsmann Foundation, €40.000</p> <p>eco-Plattform: Market design for food donations of retailers 📄, Federal Ministry of Food and Agriculture, €240.000</p> <p>iLearn: Improving school admissions for diversity and better outcomes 📄, Leibniz Association, €340.000 (joint with DIW Berlin)</p> <p>Design and impact of admissions rules for schools 📄, ZEW, €330.000</p> | <p>2025 – 2026</p> <p>2023 – 2026</p> <p>2023 – 2024</p> <p>2021 – 2023</p> <p>2019 – 2023</p> <p>2019 – 2023</p> <p>2019 – 2022</p> | |
| PRESS COVERAGE | <p>Environmental subsidies</p> <p>Mannheimer Morgen 06/2023 📄</p> <p>Market design for food donations</p> <p>Mannheimer Morgen 08/2023 📄 08/2023 📄 08/2023 📄; Mannheimer Morgen 07/2023 📄; Süddeutsche Zeitung 07/2023 📄; Zeit 07/2023 📄; Welt 07/2023 📄; Focus 07/2023 📄; Stern 07/2023 📄; WirtschaftsWoche 01/2020 📄; Welt 06/2018 📄</p> <p>Algorithms for matching markets</p> <p>Frankfurter Rundschau 10/2023 📄; Table.Media 10/2023 📄; Süddeutsche Zeitung 09/2023 📄; 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 📄</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>Pforzheim University</p> <p>Analysis and Linear Algebra; Statistics I+II; Econometrics; Mathematical Optimization; Predictive Analytics; Risk Management 2019/20 – date</p> <p>Heilbronn University</p> <p>Models of Data Assessment; Digital Economy; Academic Writing 2018/19</p> <p>University of Mannheim</p> <p>Market Design: Auctions and Matching Algorithms (with V. Gretschnko) 2018/19</p> <p>University of Tübingen</p> <p>Microfinance (Credit, Savings & Insurance) 2013/14</p> <p>University of Cambridge</p> <p>Game Theory; Econometrics I+II; Quantitative Methods I+II 2010/11 – 2014/15</p> | | |