

Curriculum Vitae: Klaus Eckelt

Personal Information

Family Name, First Name: Eckelt, Klaus
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Date of Birth: April 9, 1990
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Google Scholar Profile: https://scholar.google.de/citations?user=_wMz-ewAAAAJ

Education and Previous Positions

2018–2024 Instructor and Doctoral Researcher, Ph.D. Student
Johannes Kepler University Linz, Austria, Institute of Computer Graphics
2019 - 2021 Instructor, Imperial College Business School, London, United Kingdom
2018 Master's degree (Dipl.-Ing.), Vienna University of Technology, Austria
TUtheTOP - High Potential Program Candidate
2017 Bachelor's degree (Bachelor of Science), Vienna University of Technology, Austria

Scientific Community Services

International Program Committee Member

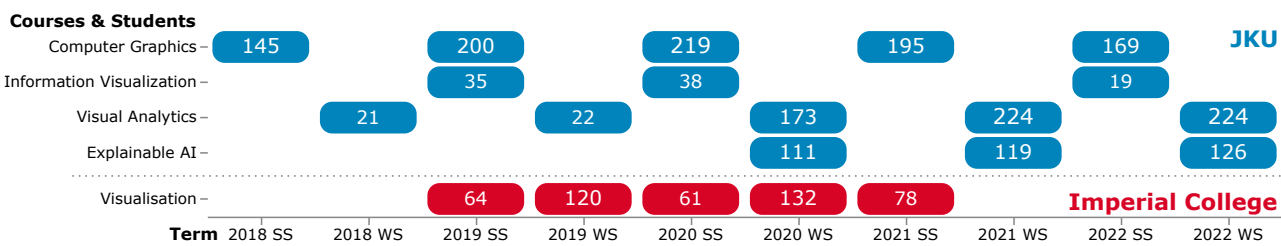
2023 International Symposium on Visual Information Communication and Interaction (VINCI)
2023 Leipzig Symposium on Visualization In Applications (LEVIA)
2021 - 2023 EuroVis Conference – Poster Track

Reviewer

2024 Visualization in Data Science (VDS at IEEE VIS) – Full and Short Papers
2023–2024 IEEE VIS Conference – Full and Short Papers
2023–2024 EuroVis Conference – Full Papers
2023 Computers & Graphics – Journal Article
2022 Bioinformatics Advances – Journal Article
2021 IEEE VIS Conference – Short Papers

Teaching Experience

I supervised over 2500 students in both graduate and undergraduate courses at the Johannes Kepler University Linz and the Imperial College Business School London. Additionally, I guided several students through their bachelor's and master's theses.



Talks and Presentations

- 2023-09-13 *Welcome to Parameter Land*
Talk @ Dagstuhl-Seminar on Human-Centered Approaches for Provenance in Automated Data Science, Wadern, Germany
- 2022-10-21 *Visual Exploration of Relationships and Structure in Low-Dimensional Embeddings*
Paper Presentation @ IEEE VIS 2022, Oklahoma City, OK, USA
- 2022-10-17 *Kokiri: Random-Forest-Based Comparison and Characterization of Cohorts*
Paper Presentation @ IEEE VIS 2022 Workshop on Visualization in Biomedical AI, Oklahoma City, OK, USA
- 2022-07-13 *Visual Exploration of Relationships and Structure in Low-Dimensional Embeddings*
Invited Highlight Talk @ BioVis@ISMB 2022, Madison, WI, USA
- 2019-06-03 *TourDino: A Support View for Confirming Patterns in Tabular Data*
Paper Presentation @ EuroVis Workshop on Visual Analytics 2019, Porto, Portugal

Peer-Reviewed Publications (in chronological order)

Klaus Eckelt, Kiran Gadhave, Alexander Lex, Marc Streit. *Loops: Leveraging Provenance and Visualization to Support Exploratory Data Analysis in Notebooks*, IEEE Transactions on Visualization and Computer Graphics (to appear), 2024. <https://doi.org/10.31219/osf.io/79eyn>

Anna Scimone, **Klaus Eckelt**, Marc Streit, Andreas Hinterreiter, *Marjorie: Visualizing Type 1 Diabetes Data to Support Pattern Exploration*, IEEE Transactions on Visualization and Computer Graphics, vol. 30, no. 1, pp. 1216-1226, 2024. <https://doi.org/10.1109/TVCG.2023.3326936>

Matthias Bittner, Andreas Hinterreiter, **Klaus Eckelt**, Marc Streit, *Explainable Long- and Short-term Pattern Detection in Projected Sequential Data*, ECML PKDD Workshop on Explainable AI for Time Series: Advances and Applications (XAI-TS '23, to appear), 2023.

Raisa Romanov Geleta, **Klaus Eckelt**, Emilia Parada-Cabaleiro, Markus Schedl, *Exploring Intensities of Hate Speech on Social Media: A Case Study on Explaining Multilingual Models with XAI*, Proceedings of the 4th Conference on Language, Data and Knowledge (LDK '23), pp. 532-537, 2023. <https://doi.org/10.34619/srmk-injj>

Klaus Eckelt, Andreas Hinterreiter, Patrick Adelberger, Conny Walchshofer, Vaishali Dhanoa, Christina Humer, Moritz Heckmann, Christian A. Steinparz, Marc Streit, *Visual Exploration of Relationships and Structure in Low-Dimensional Embeddings*, IEEE Transactions on Visualization and Computer Graphics, vol. 29, no. 7, pp. 3312-3326, 2023. <https://doi.org/10.1109/TVCG.2022.3156760>

Klaus Eckelt, Patrick Adelberger, Markus J. Bauer, Thomas Zichner, Marc Streit, *Kokiri: Random-Forest-Based Comparison and Characterization of Cohorts*, IEEE VIS Workshop on Visualization in Biomedical AI, 2022. <https://doi.org/10.1101/2022.08.16.503622>

Patrick Adelberger, **Klaus Eckelt**, Markus J. Bauer, Marc Streit, Christian Haslinger, Thomas Zichner, *Coral: a web-based visual analysis tool for creating and characterizing cohorts*, Bioinformatics, 37(23): 4559-4561, 2021. <https://doi.org/10.1093/bioinformatics/btab695>

Klaus Eckelt, Patrick Adelberger, Thomas Zichner, Andreas Wernitznig, Marc Streit, *TourDino: A Support View for Confirming Patterns in Tabular Data*, EuroVis Workshop on Visual Analytics (EuroVA '19), 2019. <https://doi.org/10.2312/eurova.20191117>