

Curriculum Vitae: Klaus Eckelt

PERSONAL INFORMATION

Family Name, First Name: Eckelt, Klaus
ORCID Identifier: [0000-0001-6832-9070](https://orcid.org/0000-0001-6832-9070)
Date of Birth: April 9, 1990
Nationality: Austrian
Website: <https://eckelt.info/>
Google Scholar Profile: https://scholar.google.de/citations?user=_wMz-ewAAAAJ

CURRENT POSITION

2018– **Instructor and Doctoral Researcher, Ph.D. Student,**
Johannes Kepler University Linz, Austria, Institute of Computer Graphics

EDUCATION AND PREVIOUS POSITIONS

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

2023 IEEE VIS Conference – Full and Short Papers
2023 EuroVis Conference – Full Papers
2022 Bioinformatics Advances – Journal Article
2021 IEEE VIS Conference – Short Papers

TALKS AND PRESENTATIONS

2022-10-21 Paper Presentation, IEEE VIS 2022
Visual Exploration of Relationships and Structure in Low-Dimensional Embeddings
Oklahoma City, OK, USA

2022-10-17 Paper Presentation, IEEE VIS 2022 Workshop on Visualization in Biomedical AI
Kokiri: Random-Forest-Based Comparison and Characterization of Cohorts
Oklahoma City, OK, USA

2022-07-13 Invited Highlight Talk, BioVis@ISMB 2022
Visual Exploration of Relationships and Structure in Low-Dimensional Embeddings
Madison, WI, USA

2019-06-03 Paper Presentation, EuroVis Workshop on Visual Analytics 2019
TourDino: A Support View for Confirming Patterns in Tabular Data
Porto, Portugal

TEACHING EXPERIENCE

2020 - 2023 Explainable AI, Johannes Kepler University Linz, Austria
2018 - 2023 Visual Analytics, Johannes Kepler University Linz, Austria
2019 - 2022 Information Visualization, Johannes Kepler University Linz, Austria
2018 - 2022 Computer Graphics, Johannes Kepler University Linz, Austria
2019 - 2021 Visualisation, Imperial College Business School, London, United Kingdom

PEER-REVIEWED PUBLICATIONS (in chronological order)

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 (IEEE VIS '23, to appear), 2023. <https://doi.org/10.31219/osf.io/caj2n>

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*, LDK Workshop on Disinformation and Toxic Content Analysis (DiTox '23, to appear), 2023.

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>