

# 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](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

2023-09-13 *Welcome to Parameterland*  
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
- 2019-04-12    *TourGuide: Interactive Visual Analysis of Clinical Oncology Data*  
Poster Presentation @ OeGHO & AHOP Spring Conference 2019, Linz, Austria

## 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>