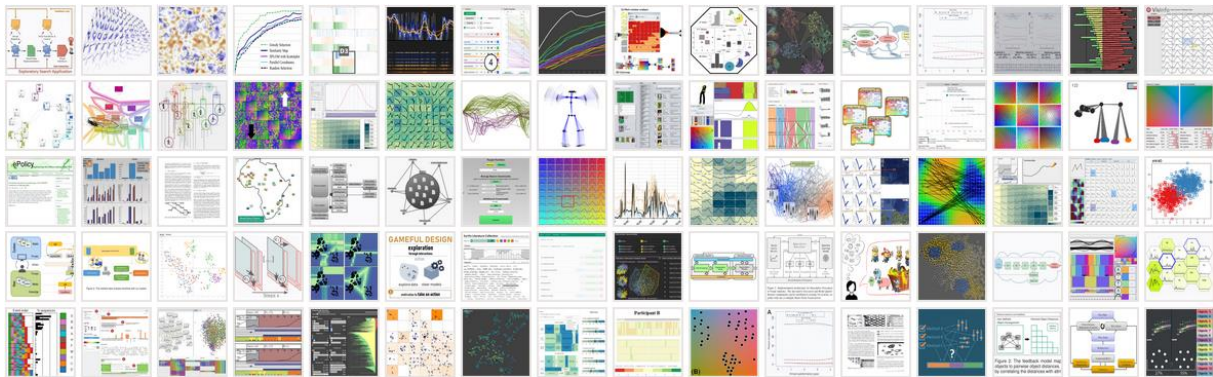


Human-Centered Interactive Data Analysis and AI

The Interactive Visual Data Analysis (IVDA) Group at the University of Zurich is seeking a talented Post-Doc (m/f/d) at the intersection of visual analytics, interactive machine learning, and human-centered AI. Together, we will develop novel approaches for the characterization, design, and evaluation of interactive visual data analysis solutions that combine the strengths of both humans and algorithms. This position is particularly suitable for candidates with interests/experience in interdisciplinary, collaborative, and applied work, such as in medicine, digital and personal health, digital humanities, digital libraries, or sustainability domains.



Research Context

We are pursuing a human-centered approach to data science, machine learning, and AI, to foster human involvement rather than replace it in the data analysis process. In the context of the digitalization, data-driven research and decision-making, human-machine collaboration, and human-centered AI, we will study human workflows, identify and preserve steps with high human intellectuality, and establish practices of both high human control and automation. Together, we will address data-oriented challenges such as multivariate, multimodal, heterogeneous, dirty, uncertain, or unlabeled data. Important model-oriented challenges include data preprocessing, model building, model quality assessment, and model explanation. User-oriented challenges include varying degrees of user expertise, personalization intents, human factors, and understanding and supporting user preferences for data and tasks to contribute to an enhanced user experience.

Your Qualifications

- Ph.D. degree, e.g., in informatics, AI, Data Science, HCI, or an application domain.
- Strong publication record and ability to conduct scientific work and dissemination activities.
- Excellent communication and collaboration skills, and ability to work in interdisciplinary teams.
- Ability to independently teach university-level courses and supervise students.
- Extensive expertise in some of the areas: data science, information retrieval, data mining, machine/deep learning, AI, natural language processing, explainable AI, algorithmic fairness, biases, transparency, human-computer interaction, applied research methods, or types of empirical research.

How to Apply

Applications must include a detailed CV, information on their educational background, professional references, brief description of practical work and research experience, clear exposition of prior data visualization experience, and a statement of motivation/expectation. Candidates are encouraged to visit the IVDA website.



Contact

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