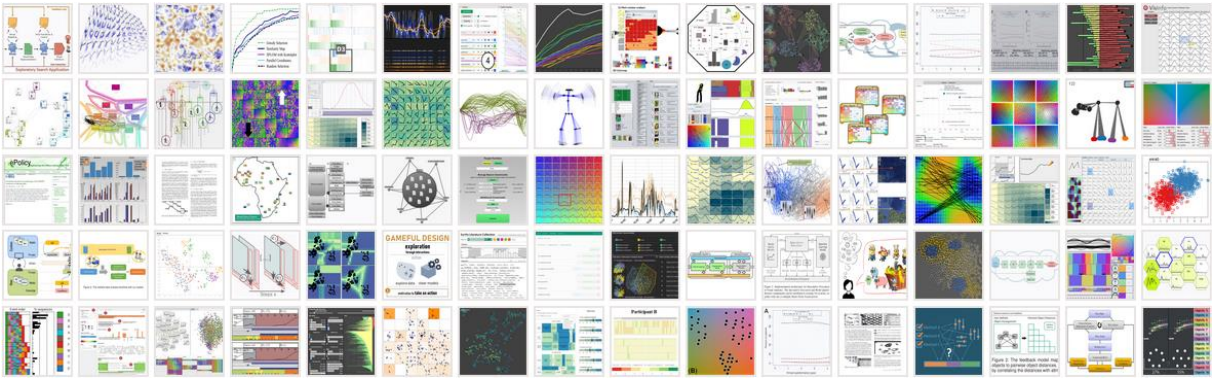
IVDA INTERACTIVE VISUAL DATA ANALYSIS GROUP

Pre-Doc and Ph.D. Positions Open

Universität Zürich[UZH]

Human-Centered Interactive Visual Data Analysis

We are looking for motivated research assistants (m/f/d) in the areas of visual analytics, interactive data science, and interactive machine learning for Ph.D. projects in the Interactive Visual Data Analysis Group at UZH. Together, we will develop new approaches for the characterization, design, and evaluation of interactive visual interfaces to combine the strengths of both humans and algorithms in interactive data science applications.



Open Positions

Topic	Start	Duration
Interactive Visual Data Labeling	End of **2022**, or now as pre-doc	4 years
Visual Analytics for Multiple Sclerosis	Early **2023**, or now as pre-doc	4 years
Human-Centered Interactive Visual Data Analysis	**2023**, or now as pre-doc	3-4 years
Interactive Visual Search and Exploration for Digital Libraries	**2022**, as pre-doc	

Research Context

Each project will follow a human-centered approach to data science, to foster the involvement of humans in the data analysis process with interactive visual interfaces. Examples of data-oriented challenges are heterogeneous data, dirty data, uncertain data, or unlabeled data. Important model-oriented challenges include data preprocessing, model building, model quality assessment, or model explanation. Particularly interesting user-oriented challenges are different degrees of user expertise, users' personalization intents, and understanding and supporting user preferences for data and tasks.

List of Requirements

- Master degree in computer science or comparable subject from a recognized university
- Knowledge in information visualization, visual analytics, interactive machine learning, data science
- Experience in full-stack programming (Python and D3/javascript or similar)
- Motivation for applied research questions and collaborative and interdisciplinary work
- Ability to work effectively with students, faculty, and staff from all backgrounds

How to Apply

Applications must include a detailed CV, information of university-level educational background, brief description of practical work and research experience, clear exposition of prior data visualization experience, as well as a statement of motivation and goals. Candidates are recommended to get familiar with the IVDA website.

Contact

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