

Visual analysis of health and disease in the CHRIS study
MSc Thesis
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Why do we get sick? And what role do genes, lifestyle, and a person's environment play in the onset, progression, and treatment of disease?

To investigate these questions the Eurac Institute for Biomedicine uses data from the Cooperative Health Research In South Tyrol (CHRIS) study. CHRIS is a large-scale population-based resource established in 2011. Thus far more than 13,000 individuals have participated in CHRIS and 10,000s of measurements for each participant are available for analysis. A unique feature of CHRIS is the possibility to visualize health and disease information in a geographic context.

We are looking for an enthusiastic student with experience in R, Python, or another scripting language, to develop an interactive tool that enables our researcher to explore hypothesis, such as "Is the distribution of blood pressure across the Vinschgau valley the same?", or "Does the microbiome vary between villages?".

If you are interested and/or have further questions, please contact:

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