

Fine-grained Walkability Analysis for Switzerland - methods and visualizations

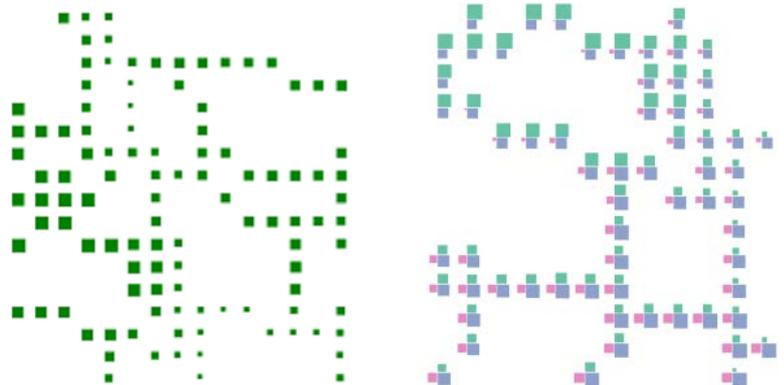
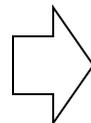
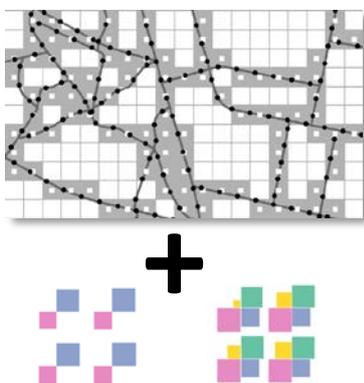
Walkability analysis aims at investigating the role of the built environment in encouraging walking. A project in collaboration with social scientists evaluated the walkability of a Swiss city with a focus on the elderly population using a quantitative and qualitative mixed method approach. We employed spatial data analysis to derive walkability indices for a variety of factors. Multivariate glyph visualizations of those indices along the street network support visual analysis and communication of the results. Challenges include the high resolution required to relevantly analyse walkability in areas that are already highly walkable.



Walkability «With the Eyes of Elderly Women»
(Bachmann et al. 2016)



«Objective» walkability analysis along foot path and road networks
(Hollenstein & Bleisch 2016)



Glyphs for Multivariate Visualizations of Walkability - green - greenery, pink - shop accessibility, blue - public transport accessibility
(Bleisch & Hollenstein 2017)

References

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