



## Qualitative visualisation – perspectives and potentials for population geography

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**Abstract.** The growing influence of qualitative visualisations that support qualitative and mixed methods approaches in population geography specifically open new perspectives for theoretical and methodological developments. Whereas qualitative research using visualisation remains rare when compared to quantitative approaches, several cases of innovation can be identified in population geography. Furthermore, we identified three favourable conditions to potentially inspire new methods of visualisation: the growing relevance of art-based research, an increasing number of transdisciplinary experiences, and the contemporary critical debate on communicating using maps. Based on this diagnosis, we call for systematic experiments and exchange that can inform an intense transdisciplinary academic debate on key epistemological questions, on different approaches to visualisation, and on new tools and techniques to visualise in population geography and beyond.

### 1 Population geography and the visualisation of qualitative research

The growing influence of qualitative visualisations in qualitative and mixed methods approaches open new perspectives for theoretical and methodological developments in many disciplines. Visualisations are seen to support more diverse, adaptive, and vivid approaches to research analyses and communication. The spread of digitalisation, new tools, and approaches, but also the advancement of epistemological thought related to embodiment and experience, have increasingly made visual aspects more integral parts of geographic research practice, communication, and dissemination (e.g. Strüver, 2019). Moreover, the methodological implications of visibility have been discussed in publications on spatially related research epistemology and methodology, especially qualitative and mixed methods-based research (e.g. Rose, 2016; Schlottmann and Miggebrink, 2009; Thieme et al., 2019; Kogler and Wintzer, 2021).

Yet, so far, visualisations in geographic research generally have shown a strong bias towards quantitative presentations. The Covid-19 pandemic has further fuelled the role of quantitative data visualisations for communication. This has in-

creased an observed asymmetry; while quantitative research routinely uses graphs to visualise its findings, most publications discussing qualitative research emphasise textual presentations over graphics. In this status quo, a cautious reluctance among geographers (Crang, 2003–500) in using visualisation is apparent, resulting in and, presumably, resulting from a lack of instructions on and discussions of practices of visualisation in the methodological literature (Cope and Etwood, 2009; Meier Krüker and Rauh, 2005). It comes as no surprise that until recently there was a dearth of literature on respective methods and techniques, especially in the realms of German-speaking geography. The prevalent instructions on how to communicate qualitative research processes and results so far mostly consider text-based presentations (Meier Krüker and Rauh, 2005; Mattissek et al., 2013). A crosscheck on current visualisations in qualitative research publications in the German-speaking community of geography verifies the dominance of text in the presentation of results. Apart from a few exceptions (e.g. Schmidt, 2018; Bitner and Michel, 2018), some rare cases of visualisations in German qualitative geography publications mostly serve as basic orientations or illustrations, e.g. maps for presenting the geographic location of the field studies, photos to por-

# Qualitative Geography Perspectives

**Nicholas Clifford, Meghan  
Cope, Thomas Gillespie, Shaun French**

## **Qualitative Geography Perspectives:**

*The SAGE Handbook of Qualitative Geography* Dydia DeLyser, 2010 The process of learning qualitative research has altered dramatically and this Handbook explores the growth change and complexity within the topic and looks back over its history to assess the current state of the art and indicate possible future directions Moving beyond textbook rehearsals of standard issues the book examines key methodological debates and conflicts approaching them in a critical discursive manner

*Qualitative GIS* Meghan Cope, Sarah Elwood, 2009-07-09 Geographic Information Systems are an essential tool for analyzing and representing quantitative spatial data Qualitative GIS explains the recent integration of qualitative research with Geographical Information Systems With a detailed contextualising introduction the text is organised in three sections Representation examines how researchers are using GIS to create new types of representations working with spatial data maps and other visualizations to incorporate multiple meanings and to provide texture and context Analysis discusses the new techniques of analysis that are emerging at the margins between qualitative research and GIS this in the wider context of a critical review of mixed methods in geographical research Theory questions how knowledge is produced showing how ideas of science and truth inform research and demonstrates how qualitative GIS can be used to interrogate discussions of power community and social action Making reference to representation analysis and theory throughout the text shows how to frame questions collect data analyze results and represent findings in a truly integrated way An important addition to the mixed methods literature Qualitative GIS will be the standard reference for upper level students and researchers using qualitative methods and Geographic Information Systems

**Qualitative Research Methods in Human Geography** Iain Hay, 2005 This book offers a comprehensive accessible and practical guide on how to conduct qualitative research in human geography Enhanced and greatly expanded by nine new chapters the latest edition shows students how to plan conduct interpret and communicate qualitative research

**Encyclopedia of Urban Studies** Ray Hutchison, 2009-09-15 The United Nations estimates that by 2030 more than two thirds of the total world population will live in urban areas Most of this increase will take place not in Europe or in the United States but in the megacities and newly emerging urban regions of what used to be called the developing world Urban studies is an expansive and growing field covering many disciplines and professional fields each with its own schedule of conferences journals and publication series These two volumes address the specific theories key studies and important figures that have influenced not just the individual discipline but also the field of urban studies more generally The Encyclopedia of Urban Studies is intended to present an overview of current work in the field and to serve as a guide for further reading in the field Key Features Includes important work and traditions from each of the urban disciplines including urban anthropology urban economics urban geography urban history urban politics urban psychology and urban sociology Addresses both the growth and expansion of urban areas urbanization and the nature and quality of urban life urbanism Demonstrates the international and interdisciplinary nature of the field with contributions from

scholars in many different countries Confronts a number of important issues ranging from individual problems of poverty to societal problems of provision of adequate housing and social exclusion Provides entries on a number of cities including those in different historical periods and regions of the world and those that have been important in the development of urban studies Key Themes Disciplinary Approaches in Urban Studies Urban Studies Topical Areas Urban Issues Urban Planning Urban Theory Urban Transportation Urban Culture Places Cities Persons The Encyclopedia of Urban Studies serves as an introduction to topics of significance in urban studies for an audience that includes undergraduate students beginning graduate students of urban studies and the related urban disciplines a broader public that has an interest in the new urban world and even established teachers and scholars who are exploring new areas of study

**Research Methods for Environmental Psychology** Robert Gifford, 2016-01-19 Covering the full spectrum of methodology the timely and indispensable Research Methods for Environmental surveys the research and application methods for studying changing and improving human attitudes behaviour and well being in relation to the physical environment The first new book covering research methods in environmental psychology in over 25 years Brings the subject completely up to date with coverage of the latest methodology in the field The level of public concern over the impact of the environment on humans is high making this book timely and of real interest to a fast growing discipline Comprehensively surveys the research and application methods for studying changing and improving human attitudes behavior and well being in relation to the physical environment Robert Gifford is internationally recognised as one of the leading individuals in this field and the contributors include many of the major leaders in the discipline

**Legal Geography** Tayanah O'Donnell, Daniel F. Robinson, Josephine Gillespie, 2019-12-06 This book is the first legal geography book to explicitly engage in method It complements this by also bringing together different perspectives on the emerging school of legal geography It explores human environment interactions and showcases distinct environmental legal geography scholarship Legal Geography Perspectives and Methods is an innovative book concerned with a new relational and material way of examining our legal spatial world With chapters examining natural resource management Indigenous knowledge and political ecology scholarship the text introduces legal geography's modes of analysis and critique The book explores topics such as Indigenous environmental rights the impacts of extractive industries mediation of climate change food animal and plant patents fossil fuels mining and coastal environments based on empirical jurisdictional and methodological insights from Australia New Zealand and the Asia Pacific to demonstrate how space and place are invoked in legal processes and contestations and the methods that may be employed to explore these processes and contestations This book examines the role of legal geographies in the 21st century beyond the simple law in action and it will thus appeal to students of socio legal studies human geography environmental studies environmental policy as well as politics and international relations

*Key Methods in Geography* Nicholas Clifford, Meghan Cope, Thomas Gillespie, 2023-04-13 Key Methods in Geography is the perfect introductory companion providing an overview of qualitative

and quantitative methods for human and physical geography The fourth edition of this essential and accessible primer covers the breadth of the discipline and offer critical and contextual perspectives on research methods New coverage takes account of newer technologies and practice and 9 new chapters bring greater diversity of positionality and perspective to the volume including decolonial methods predicting visualizing and modelling climate and environmental change and writing up research Case study examples summaries and exercises have been included in each chapter to enable learning This is vital reading for any student undertaking a Geography Methods module as well as a valuable resource for any student embarking on independent research as part of their degree

Understanding Cultural Landscapes Rachel Hunt, Ben Garlick, 2025-11-27

Understanding Cultural Landscapes provides an introduction to the range of approaches characterising the study of landscape and culture This textbook discusses the origins underpinnings and practical applications of social science and humanities scholarship concerning landscape and its theorisation The book offers an easy to digest introduction to relevant approaches and ideas in the study of landscape The text includes practical real world examples drawn from a range of social science and humanities disciplines to showcase the interpretation of landscape by different means and to different ends Pauses for thought encourage the reader to reflect and connect ideas and debates to examples encountered in their own life and work Suggested activities support independent study and aid the design and delivery of university teaching Each chapter also includes suggested readings and the textbook includes discussion of research methods for those developing their own research projects This book will be valuable for both students and educators encountering or teaching the study of landscape within the humanities and social sciences for the first time The incorporation of practical exercises and suggested reading enables the book to supplement independent study or be used as a teaching aid

**Spatial Analysis, Modelling and Planning** Jorge Rocha, José António Tenedório, 2018-11-28

New powerful technologies such as geographic information systems GIS have been evolving and are quickly becoming part of a worldwide emergent digital infrastructure Spatial analysis is becoming more important than ever because enormous volumes of spatial data are available from different sources such as social media and mobile phones When locational information is provided spatial analysis researchers can use it to calculate statistical and mathematical relationships through time and space This book aims to demonstrate how computer methods of spatial analysis and modeling integrated in a GIS environment can be used to better understand reality and give rise to more informed and thus improved planning It provides a comprehensive discussion of spatial analysis methods and approaches related to planning

Dislocation: Awkward Spatial Transitions Philip Cooke, 2021-05-17

Today the world is in the most serious turmoil it has experienced for many centuries These multiple crises arise from the fundamental mistreatment by capitalist competition of the carrying capacity of the planet Even before coronavirus evidently morbid symptoms of over development led many spatial planners to write of the threat of a new Dark Age Many advocated a return to policy decentralisation as the Covid 19 crisis demonstrated once again the failure of global controller mindsets to

manage complex systems successfully Dislocation Awkward Spatial Transitions is a critical exploration of where spatial development processes and rules have gone wrong across many economies The chapters lay out which mindsets have been responsible for this and gives pointers to new practices that aim to ameliorate the effects of past failings In the first nine chapters a mapping of key elements of the prevailing omni crisis are summarised These range from an exegesis of the Anthropocene the rise of populism the transition to neoliberalist anti planning and migration as planning issues with pleas for evolutionary change in spatial policy and process dynamics Finally a group of chapters explores the flailing as territorial governances tried to plot the rise of creative cities 4 0 era industry and services and in the built form the role of starchitects in city renewal In the last part attention is devoted to territorial innovation knowledge recombination sustainable mobility and finally green entrepreneurship as necessary elements of a post coronavirus climate change mitigation and sustainable mobility set of survival strategies The chapters in this book were originally published in the journal European Planning Studies

**Key Methods in Geography** Nicholas Clifford, Meghan Cope, Thomas Gillespie, Shaun French, 2016-05-21  
Practical accessible careful and interesting this revised volume brings the subject up to date and explains in bite sized chunks the how s and why s of modern day geographical study It brings together physical and human approaches again in a new synthesis Danny Dorling Professor of Geography University of Oxford Key Methods in Geography is the perfect introductory companion providing an overview of qualitative and quantitative methods for human and physical geography This Third Edition Features 12 new chapters representing emerging themes including online virtual and digital geographical methods Real life case study examples Summaries and exercises for each chapter Free online access to full text of Progress in Human Geography and Progress in Physical Geography Progress Reports The teaching of research methods is integral to all geography courses Key Methods in Geography Third Edition explains all of the key methods with which geography undergraduates must be conversant

**The Early-modern World-system in Geographical Perspective** Hans-Jürgen Nitz, 1993

**Inequalities, Youth and the Labour Market** Theodoros Iosifides, Stelios Gialis, Thanasis Kizos, 2024-05-21  
This book thoroughly examines the socio economic and labor market paths of young NEETs particularly migrants and women in the disadvantaged regions of Mediterranean Southern Europe specifically the island coastal and peripheral areas of Greece Cyprus Italy and Spain It embraces a holistic approach delving into multiple dimensions of the phenomenon Rooted in multi methodological research it seamlessly integrates quantitative and qualitative methods to provide a comprehensive understanding Geographically it spans four Southern European countries meticulously exploring vulnerable social groups like migrant and women NEETs which have been understudied Furthermore the book illuminates the influence of space and spatial patterns on the NEET phenomenon effectively connecting precariousness and social exclusion with geography and spatial inequalities across different scales The book appeals to a diverse audience spanning human geography sociology and migration studies It extends its relevance to social scientists exploring poverty social exclusion precariousness and socio

spatial injustices Additionally it offers valuable insights for postgraduate students in these fields and serves as a complementary resource in social science methodology and theory courses at both graduate and postgraduate levels

*Environment & Planning A.* ,2006-07     **Transactions - Institute of British Geographers** Institute of British Geographers,1976     **Perspectives on Development** Gideon E. D. Omuta,2005     *Environment & Planning* ,2006  
*Perspectives on Local Government* ,1995     **International Perspectives in Urban Studies** ,1994     *History in Geographic Perspective; the Other France* Edward Whiting Fox,1971

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