



## Mathematical Modelling of GIS Tailored GUI Design: With the Application of Spatial Fuzzy Logic

By Melanie Platz

Createspace, United States, 2014. Paperback. Book Condition: New. 254 x 178 mm. Language: English . Brand New Book \*\*\*\*\* Print on Demand \*\*\*\*\*.This book is situated within the framework of the Research-Group Learning and Neurosciences (ReGLaN)-Health and Logistics project. The goal of this project is the optimisation of health service delivery in the rural areas of South Africa. Cooperation takes place between ReGLaN-Health and Logistics and the South African Council for Scientific and Industrial Research (CSIR) Meraka Institute, with Prof Dr Dr Marlien Herselman of Pretoria, South Africa, as the central contact person. This book deals with the mathematical modelling of Geographic Information System (GIS)-tailored Graphical User Interface (GUI) design with the application of spatial fuzzy logic. This book considers the mathematical visualisation of risk and resource maps for epidemiological issues using GIS and adaptive GUI design for an Open Source (OS) application for digital devices. The intention of this book is to provide spatial decision support tailored to different user groups. In order for the GUI elements to be evaluated and initialised, empirical teaching-learning-research on dealing with geomedias and GUI elements was conducted. Grayscale-version, includes link to document with colour illustrations.



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