



## **Literature for SGER44, GIS: Geographical Information System for the Social Sciences, Advanced Applications applies from spring semester 2017**

**Literature established by the board of the Department of Human Geography on 2016-11-01 to apply from 2017-01-16**

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Books:

Steinberg, Sheila L. & Steinberg, Steven J. (2015) GIS research methods. Incorporating Spatial Perspectives. Esri Press. 409 p.

ArcGIS exercises: 250 p.

Articles:

Assignment 1

Asgary, Ali, Ghaffari, Alireza & Levy, Jason (2010) Spatial and temporal analyses of structural fire incidents and their causes: a case of Toronto, Canada. *Fire Safety Journal*, 45 (1), pp. 44–57, 13p.

Corcoran, Jonathan, Higgs, Gary, Brunsdon, Chris, Ware, A. & Norman Paul. (2007): The use of spatial analytical techniques to explore patterns of fire incidence: a South Wales case study. *Comput. Environ. Urban Syst.*, 31 (6), Pp. 623–647, 24p.

DeMotto, Nicole & Davies Caroline P. (2006) A GIS analysis of the Relationship between Criminal Offenses and Parks in Kansas City, Kansas. In: *Cartography and Geographic Information Science*, vol. 33, no. 2, pp. 141-157. 16p.

Eck, John E., Spencer Chainey, James G. Cameron, Michael Leitner, & Ronald E. Wilson (2005). *Mapping crime: understanding hot spots*. Washington: U.S. Department of Justice Office of Justice Programs. 79p

Grubestic, Tony (2006) On the Application of fuzzy Clustering for Crime Hot Spot Detection. In: *Journal of Quantitative Criminology*, vol. 22, no. 1, pp. 77-105, 28p

Guldåker, Nicklas. & Hallin, Per-Olof. (2014): Spatio-temporal patterns of intentional fires, social stress and socio-economic determinants: A case study of Malmö, Sweden. *Fire Safety Journal* 70: pp 71–80, 9p.

Weisburd, Davod, Telep, C.W. & Braga, A.A. (2010). The importance of place in policing  
[https://www.bra.se/download/18.cba82f7130f475a2f1800022104/1312440785947/2010\\_importance\\_of\\_place.pdf](https://www.bra.se/download/18.cba82f7130f475a2f1800022104/1312440785947/2010_importance_of_place.pdf) 68p.

## Assignment 2

Elwood, Sarah A. 2006. "Critical Issues in Participatory GIS: Deconstructions, Reconstructions, and New Research Directions." *Transactions in GIS* no. 10 (5): 693-708, 15p.

Openshaw, Stan. 1991. "A view on the GIS crisis in geography, or, using GIS to put Humpty Dumpty back together again." *Environment and Planning A* no. 23 (5):621-628, 7p.

Schuurman, Nadine. 2000. "Trouble in the heartland: GIS and its critics in the 1990s." *Progress in Human Geography* no. 24 (4):569-590, 21p.

## Assignment 3

Asgary, Ali, Ghaffari, Alireza & Levy, Jason (2010) Spatial and temporal analyses of structural fire incidents and their causes: a case of Toronto, Canada. *Fire Safety Journal*, 45 (1), pp. 44–57, 13p.

Corcoran, Jonathan, Higgs, Gary, Brunsdon, Chris, Ware, A. & Norman Paul. (2007): The use of spatial analytical techniques to explore patterns of fire incidence: a South Wales case study. *Comput. Environ. Urban Syst.*, 31 (6), Pp. 623–647, 24p.

ESRI 2010: Analyzing 911 response data using Regression. Retrieved 2015-04-29 from <http://www.arcgis.com/home/item.html?id=71a65d35688a4502b123cbdfc99afdee>, 24p.

Guldåker, N. & Hallin, P-O. (2014): Spatio-temporal patterns of intentional fires, social stress and socio-economic determinants: A case study of Malmö, Sweden. *Fire Safety Journal* 70: pp 71–80, 9p

Koutsias, Nikos Martínez-Fernández, Jesús & Allgöwer, Britta (2010) Do Factors Causing Wildfires Vary in Space? Evidence from Geographically Weighted Regression, *GIScience & Remote Sensing*, 47:2, 221-240, 19p

= approximately 1028 p

Reference literature:

Longley, Paul. A., Goodchild, Mike. F., Maguire, David. J., & Rhind, David. W. (2011). Geographical information systems and science / Paul A. Longley .. Chichester : Wiley, cop. 2010. 500p.

Curry, Michael (1998): Digital Places - Living with Geographic Information Technologies – offers a new understanding of GIS--the social impacts of the development and the ethical issues surrounding their use.

Guldåker, Nicklas & Tykesson Mona (2014) Social stress och sociala risker i två städer – ett analys exempel, I Ek, R., Gerell M., Guldåker N., Hallin, P-O, Herbert M., Kristofersson Nieminen T., Nilsson, A & Tykesson, M.(eds): Att laga revor i samhällsväven - om social utsatthet och sociala risker i den postindustriella staden. Malmö University Publications in Urban Studies 18.

Fotheringham, A. S., Brunsdon, C., and Charlton, M. E. (2002). Geographically Weighted Regression: The Analysis of Spatially Varying Relationships. Wiley, Chichester.

Harley, J. Brian (author), Laxton, Paul (editor) (2001): The New Nature of Maps: Essays in the History of Cartography

Kwan, Mei-Po. (2007). "Affecting Geospatial Technologies: Toward a Feminist Politics of Emotion." The Professional Geographer no. 59 (1):27-34

McHaffie, Patrick H. (2000). "Surfaces: tacit knowledge, formal language, and metaphor at the Harvard Lab for Computer Graphics and Spatial Analysis." International Journal of Geographical Information Science no. 14 (8):755-773.

Monmonier, Mark (1996): How to lie with Maps – illustrate the map making process. Combats cartographic illiteracy. It fights cartophobia.

Openshaw, Stan. (1992): "Further thoughts on geography and GIS: a reply." Environment and Planning A no. 24 (4):463-466.

Pickles, John (editor): Ground Truth: The Social Implications of Geographic Information Systems. - address the role of geographic information systems (GIS) in their social context

Schuurman, Nadine, and Geraldine Pratt. 2002. "Care of the Subject: feminism and critiques of GIS." Gender, Place and Culture no. 9 (3):291-299.

Steinberg, Steven J. & Steinberg Sheila L. (2005) Geographic Information Systems for the Social Sciences: Investigating Space and Place. Sage publications. 250 p.

Taylor, Peter and M. Overton. (1991) "Further thoughts on geography and GIS." *Environment and Planning A* no. 23 (8):1087-1090.

Wilson, Matthew W (2009) "Towards a genealogy of qualitative GIS." In *Qualitative GIS: A Mixed Methods Approach*, edited by Cope and Elwood, 156-170. London: Sage.

Wood, Dennis (1992): *Power of Maps*. The Guilford Press, New York