

Reading list SGO4940 – Geographic Information Systems (703 pages)

Books:

Longley, P. A., Goodchild, M. F., Maguire, D. J., & Rhind, D. W. (2011). *Geographic information system and Science*. England: John Wiley & Sons, Ltd. Ch. 1, 3, 4, 5, 6, 8, 9, 10, 11, 12, 13, 14, 15, 16. (390 pages).

Cope, M., & Elwood, S. (Eds.). (2009). *Qualitative GIS: a mixed methods approach*. Sage. Ch. 1-5. (93 pages).

Chun, Y., & Griffith, D. A. (2013). *Spatial Statistics and Geostatistics: Theory and Applications for Geographic Information Science and Technology*. SAGE. Ch. 1, 2, 4, 5, 6, 7, 8. (120 pages).

E-articles:

@ Anselin, L., & Getis, A. (2010). Spatial statistical analysis and geographic information systems. In *Perspectives on Spatial Data Analysis* (pp. 35-47). Springer Berlin Heidelberg. http://link.springer.com/chapter/10.1007/978-3-642-01976-0_3. (12 pages).

@ Bott, M., & Young, G. (2012). The role of crowdsourcing for better governance in international development. *Praxis: The Fletcher Journal of Human Security*, 27, 47-70. <http://fletcher.tufts.edu/Praxis/Archives/~//media/Fletcher/Microsites/praxis/xxvii/4BottYoungCrowdsourcing.pdf>. (23 pages).

@ Gleditsch, K. S., & Weidmann, N. B. (2012). Richardson in the information age: Geographic information systems and spatial data in international studies. *Annual Review of Political Science*, 15, 461-481. <http://www.annualreviews.org/doi/abs/10.1146/annurev-polisci-031710-112604>. (20 pages).

@ Goodchild, M. F. (2011). Scale in GIS: An overview. *Geomorphology*, 130(1), 5-9. <http://www.sciencedirect.com/science/article/pii/S0169555X10004332>. (4 pages).

@ Goodchild, M. F. (2013). Prospects for a Space–Time GIS: Space–Time Integration in Geography and GIScience. *Annals of the Association of American Geographers*, 103(5), 1072-1077. http://www.tandfonline.com/doi/abs/10.1080/00045608.2013.792175#.VDUPRfl_toA. (5 pages).

@ Goodchild, M. F. (2014). Twenty years of progress: GIScience in 2010. *Journal of Spatial Information Science*, (1), 3-20. <http://www.josis.org/index.php/josis/article/viewArticle/32>. (17 pages).

@ Tollefsen, A. F., Strand, H., & Buhaug, H. (2012). PRIO-GRID: A unified spatial data structure. *Journal of Peace Research*, 49(2), 363-374. <http://jpr.sagepub.com/content/49/2/363.short>. (11 pages).

@ Weidmann, N. B., & Ward, M. D. (2010). Predicting conflict in space and time. *Journal of Conflict Resolution*, 54(6), 883-901. <http://jcr.sagepub.com/content/54/6/883.short>. (8 pages).