Reading list Geo215

Textbook:

Heywood, I., Cornelius, S. & Carver, S., An Introduction to Geographical Information systems, 4th Ed., Prentice hall

Papers etc.

Items in blue will be available from Litteraturkiosken

BURROUGH, P. A. & MCDONNELL, R. 1998. Principles of geographical information systems, Oxford., Oxford University Press. pages: 98-146

CARVER, S. J. 1991. Integrating Multicriteria Evaluation with Geographical Information-Systems. International Journal of Geographical Information Systems, 5, 321-339.

FISHER, P. 1997. The pixel: a snare and a delusion. International Journal of Remote Sensing, 18, 679-685.

GOODCHILD, M. F. 2010. Twenty years of progress: GIScience in 2010. Journal of Spatial Information Science, 1, 3-20.

GOODCHILD, M. F., YUAN, M. & COVA, T. J. 2007. Towards a general theory of geographic representation in GIS. International Journal of Geographical Information Science, 21, 239-260.

Jensen, JR. 2014. Remote Sensing of the Environment An Earth Resource Perspective Pearson New International Edition, Pearson Education. (chapter 1)

LILLESAND, T., KIEFER, R. W. & CHIPMAN, J. 2015. Remote sensing and image interpretation, Wiley. Sections: 1.1-1.11 (60p); 4.1-4.3 (9p); 4.6-4.7(12p); 4.13 (12p); 6.23 -6.24 (17p)

MALCZEWSKI, J. 2006. GIS-based multicriteria decision analysis: a survey of the literature. International Journal of Geographical Information Science, 20, 703-726.

O'Sullivan and Unwin, Geographic Information analysis. 2010. 2nd edition. Wiley. Chapter 2: The pitfalls and potential of spatial data

WRIGHT, D. J., GOODCHILD, M. F. & PROCTOR, J. D. 1997. Demystifying the persistent ambiguity of GIS as ''tool'' versus ''science''. Annals of the Association of American Geographers, 87, 346-362.

Recommended reading and others:

Everything presented in lectures and datalabs

Help text for tools and functions used during datalab

Papers recommended during lectures and shared on Mitt UiB

Andreassen, L.M., Paul, F., Kääb, A. and Hausberg, J.E., 2008. Landsat-derived glacier inventory for Jotunheimen, Norway, and deduced glacier changes since the 1930s. *The Cryosphere*, *2*(2), pp.131-145.

BROWN, G. & KYTTA, M. 2014. Key issues and research priorities for public participation GIS (PPGIS): A synthesis based on empirical research. Applied Geography, 46, 122-136.

Comber, A., Brunsdon, C. and Green, E., 2008. Using a GIS-based network analysis to determine urban greenspace accessibility for different ethnic and religious groups. *Landscape and Urban Planning*, *86*(1), pp.103-114.

MAVOA, S., WITTEN, K., MCCREANOR, T. & O'SULLIVAN, D. 2012. GIS based destination accessibility via public transit and walking in Auckland, New Zealand. Journal of Transport Geography, 20, 15-22.

Oh, K. and Jeong, S., 2007. Assessing the spatial distribution of urban parks using GIS. *Landscape and urban planning*, *82*(1), pp.25-32.

Silberman, J.A. and Rees, P.W., 2010. Reinventing mountain settlements: A GIS model for identifying possible ski towns in the US Rocky Mountains. *Applied Geography*, *30*(1), pp.36-49.

Vadrevu, K.P., Eaturu, A. and Badarinath, K.V.S., 2010. Fire risk evaluation using multicriteria analysis—a case study. *Environmental monitoring and assessment*, *166*(1-4), pp.223-239.