

HGO4940 V21 Advanced Geographic Information Systems

Text book

Lloyd, C.D. *Spatial data analysis : an introduction for GIS users*. Oxford University Press; 2010.

1. Spatial is special

Lloyd, C.D. *Spatial data analysis : an introduction for GIS users*. Ch.1,2. Oxford University Press; 2010.

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2. GIS fundamentals

ESRI. An overview of the Analysis toolbox. <https://pro.arcgis.com/en/pro-app/latest/tool-reference/analysis/an-overview-of-the-analysis-toolbox.htm>

ESRI. An overview of the Joins and Relates toolset. <https://pro.arcgis.com/en/pro-app/latest/tool-reference/data-management/an-overview-of-the-joins-toolset.htm>

3.2. GIS-based multi-criteria analysis

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ESRI. What is ModelBuilder? <https://pro.arcgis.com/en/pro-app/latest/help/analysis/geoprocessing/modelbuilder/what-is-modelbuilder-.htm>

ESRI. Use ModelBuilder. <https://pro.arcgis.com/en/pro-app/latest/help/analysis/geoprocessing/modelbuilder/modelbuilder-quick-tour.htm>

ESRI. Iterators. <https://pro.arcgis.com/en/pro-app/latest/help/analysis/geoprocessing/modelbuilder/iterators-for-looping.htm>

ESRI. If-then-else branching and logical tools. <https://pro.arcgis.com/en/pro-app/latest/help/analysis/geoprocessing/modelbuilder/if-then-else-branching-and-logical-tools.htm>

34. Advanced cartography: Bivariate maps

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45. Network analysis: Accessibility

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56. Spatial autocorrelation and intro to R

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67. Spatial regression

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7. 3D Modelling

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