Computational Urban Analysis

Course instructor: Ate Poorthuis

Learning Objectives

- Identify and explain key concepts and methods in urban computational analysis
- Compare and evaluate appropriate quantitative methods for specific urban research questions
- Design, assess and execute an computational research design addressing an urban issue

Measurable Outcomes

- Accurate summary and critical assessment of key concepts and methods in computational urban analysis in class activities, written assignment and oral presentations
- Appropriate and proficient use of quantitative methods in the form of bi-weekly (lab) assignments
- Communicate orally and visually the progress and preliminary results of an urban computational research project
- Development and delivery of a written report that describes the final outcome of computational, quantitative analysis