



# Machine Learning and the City: Applications in Architecture and Urban Design

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## Machine Learning and the City

**Explore the applications of machine learning and artificial intelligence to the built environment**

*Machine Learning and the City: Applications in Architecture and Urban Design* delivers a robust exploration of machine learning (ML) and artificial intelligence (AI) in the context of the built environment. Relevant contributions from leading scholars in their respective fields describe the ideas and techniques that underpin ML and AI, how to begin using ML and AI in urban design, and the likely impact of ML and AI on the future of city design and planning.

Each section couples theoretical and technical chapters, authoritative references, and concrete examples and projects that illustrate the efficacy and power of machine learning in urban design. The book also includes:

- An introduction to the probabilistic logic that underpins machine learning
- Comprehensive explorations of the applications of machine learning and artificial intelligence to urban environments
- Practical discussions of the consequences of applied machine learning and the future of urban design

Perfect for designers approaching machine learning and AI for the first time, *Machine Learning and the City: Applications in Architecture and Urban Design* will also earn a place in the libraries of urban planners and engineers involved in urban design

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