

V. Books:

- "فقه العمران" by Khaled Azab: [download book jurisprudence of islamic urbanism pdf - Noor Library](#)
 - **Relevance:** This book (in Arabic) likely discusses the principles of Islamic urbanism and architecture.
 - **Category:** Islamic Architecture, Urbanism, History.
 - **Use:** Can provide a deeper understanding of the historical and cultural context of Islamic architecture, relevant to discussions of tradition and modernity.

- **Algorithms to Live By** [Algorithms to Live By : The Computer Science of Human Decisions : Brian Christian: Amazon.com.tr: Kitap](#)
Brian Christian, Tom Griffiths, Thomas L. Griffiths
 - **Relevance:** Relevance: This book explores how computer algorithms can be applied to everyday human decision-making. While not directly about architectural design, it provides a valuable framework for understanding how data and algorithms can be used to optimize processes and make better choices. This is highly relevant to the core concept of data-driven design, which relies on data analysis and algorithmic thinking.
 - **Category:** Algorithms, Decision Making, Optimization, Computer Science, Data Analysis.
 - **Use:**
 - **Introduction/Conceptual Framework:** You can use this book to introduce the broader idea of using algorithms for problem-solving and decision-making, setting the stage for how these concepts apply to design.
 - **Illustrative Examples:** The book likely provides real-world examples of algorithmic thinking that can be used to illustrate the power of data-driven approaches in various contexts, before diving into architectural applications.
 - **"Decisions, Not Just Drawings" Section:** The book's focus on decision-making aligns with this section's theme. You can discuss how data-driven design helps architects make more informed and optimized decisions.
 - **Expanding on Optimization:** You can connect the book's ideas to the concept of optimization in design, for instance, optimizing building performance, material use, or spatial configurations based on data analysis.

- **Entangled Life** [Entangled Life: How Fungi Make Our Worlds, Change Our Minds and Shape Our Futures : Sheldrake, Merlin: Amazon.com.tr: Kitap](#)
Merlin Sheldrake

- **Relevance:** This book delves into the fascinating world of fungi and their interconnected networks. While seemingly far from architecture, it offers a powerful metaphor for understanding complex systems, networks, and interdependencies, which are relevant to data-driven design and urban planning. It also inspires thinking about biomimicry and how nature's solutions can inform design.
- **Category:** Mycology, Systems Thinking, Networks, Interconnectedness, Biomimicry (tangentially).
- **Use in Lecture:**
 - **"Biomimicry" Section:** You can draw parallels between the interconnectedness of fungal networks and the principles of biomimicry, using it as an example of how nature creates efficient and resilient systems.
 - **Systems Thinking:** The book can be used to illustrate the importance of understanding complex systems in design, especially when dealing with large datasets and interconnected urban environments.
 - **Inspiration & Broadening Perspectives:** It can inspire a more holistic and interconnected approach to design, encouraging students to think beyond traditional boundaries.
 - **Visualizations:** If the book includes visuals of fungal networks, they could be used in the "Data Visualization" part of the lecture as an example of natural networks.

- **Architecture and Disjunction** [Architecture and Disjunction](#)
Bernard Tschumi

- **Relevance:** Tschumi's work challenges conventional notions of architecture by exploring the relationships between space, event, and movement. This is relevant to data-driven design because it encourages thinking about architecture as a dynamic system that interacts with human activity, which can be analyzed and designed using data.
- **Category:** Architectural Theory, Space and Event, Movement, Deconstructivism.

- **Use in Lecture:**
 - **"Decisions, Not Just Drawings" Section:** Tschumi's ideas can be used to emphasize that architecture is not just about static forms but about creating spaces that respond to human activity and events.
 - **Dynamic Systems:** You can connect his work to the concept of designing dynamic and adaptable systems, which is relevant to data-driven approaches that can respond to changing conditions or user needs.
 - **Challenging Conventions:** Tschumi's work can inspire students to challenge conventional architectural thinking and explore new possibilities offered by data-driven design.

- **Design Like You Give A Damn** [Design Like You Give a Damn - Google Books](#)
 Cameron Sinclair
[Design Like You Give A Damn Website](#)
 - **Relevance:** This book highlights the role of design in addressing social and humanitarian challenges. It aligns with the idea that data-driven design can be used not only for optimization and efficiency but also for creating positive social impact.
 - **Category:** Social Impact Design, Humanitarian Design, Problem-Solving, Sustainability.
 - **Use in Lecture:**
 - **Introduction/Conclusion:** You can use this book to frame data-driven design as a tool for addressing real-world problems and creating a better future.
 - **"Data: Everywhere & Everything" or "Statistics" Section:** You can discuss how data on social needs and humanitarian crises can inform design decisions.
 - **Ethical Considerations:** The book raises ethical considerations in design, which can be linked to the discussion of data ethics and responsible use of data in the "Q&A/Challenges" section.
 - **Case Studies:** The book likely includes case studies of humanitarian design projects that could be used as examples of how design can make a positive impact.