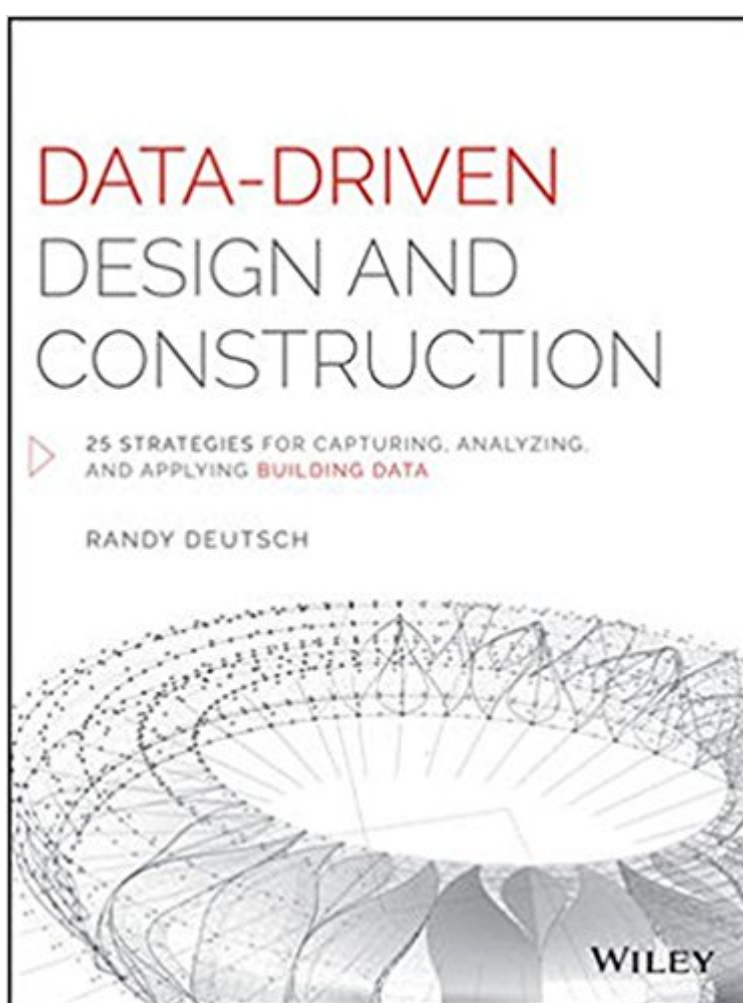**The book was found**

Data-Driven Design And Construction: 25 Strategies For Capturing, Analyzing And Applying Building Data

Synopsis

Ã¢â ¬Å"In this comprehensive book, Professor Randy Deutsch has unlocked and laid bare the twenty-first century codice nascosto of architecture. It is data. Big data. Data as driver. . .This book offers us the chance to become informed and knowledgeable pursuers of data and the opportunities it offers to making architecture a wonderful, useful, and smart art form.Ã¢â ¬Å• Ã¢â ¬â •From the Foreword by James Timberlake, FAIA Written for architects, engineers, contractors, owners, and educators, and based on todayÃ¢â ¬â„¢s technology and practices, Data-Driven Design and Construction: 25 Strategies for Capturing, Applying and Analyzing Building Data addresses how innovative individuals and firms are using data to remain competitive while advancing their practices. seeks to address and rectify a gap in our learning, by explaining to architects, engineers, contractors and ownersÃ¢â ¬â •and students of these fieldsÃ¢â ¬â •how to acquire and use data to make more informed decisions. documents how data-driven design is the new frontier of the convergence between BIM and architectural computational analyses and associated tools. is a book of adaptable strategies you and your organization can apply today to make the most of the data you have at your fingertips. Data-Driven Design and Construction was written to help design practitioners and their project teams make better use of BIM, and leverage data throughout the building lifecycle.

Book Information

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Customer Reviews

This book is about saving the architecture profession from extinction and construction from

languishing in 100-year-old habits. This book is about making the AEC industry more productive; about helping firms become more competitive and giving architects a purpose again. This book is about rebuilding credibility in the eyes of building owners, and adding substance to spurious arguments about beauty and design. This book is about creating better buildings with better information, and it is about all of the things that can't be captured in a book title (Data-Driven Everything?) This book is about building a bridge between design intent and the outside world; it's about the "I" in BIM; and it's about how big data can be leveraged in our industry, long after we stop calling it big data. This book is about making firms perform more efficiently and effectively; about optimizing energy use in buildings; and about making smarter decisions. This book is about the future, and it's about what is happening right now. I hope you enjoy reading it as much as I enjoyed writing it.

Randy Deutsch AIA, LEED AP is an Associate Professor at the University of Illinois at Urbana-Champaign, where he is a scholar-practitioner in architectural technology. He is a BIM Strategist, IPD Advocate and architect responsible for the design of over 100 large, complex sustainable projects. His designs and writing have appeared in Architectural Record, DesignIntelligence and other periodicals. Randy authored the chapter on Integrated Project Delivery (IPD) in the Architect's Handbook of Professional Practice 15th Edition. Randy is the author of BIM and Integrated Design: Strategies for Architectural Practice (Wiley, 2011) and the forthcoming book, Data Driven Design and Construction: 25 Strategies for Capturing, Analyzing and Applying Building Data (Wiley, 2015.) He served on the Chicago Architectural Club's Board of Directors and AIA Chicago Board as Director and Vice President. He blogs at bimandintegrateddesign.com and architects2zebras.com, both featured in ARCHITECT magazine and AIA National website, as well asÃ Â datadrivendesignblog.com. He led a Harvard GSD Executive Education program on BIM and leadership. Randy is recognized as a professional thought and practice leader and recipient of the AIA Young Architect Award - Chicago. A prolific social media influencer (on Twitter at @randydeutsch), Randy speaks frequently on the subject of BIM, IPD, technology, big data, data driven design, leadership, change management, lean construction, design strategy, construction management, knowledge management, collaboration, issues of interest to emerging professionals and advocacy and support for equality in architecture.Ã Â

Randy has diligently interviewed and processed a multitude of leading experts in the field of data. If you are an AEC firm looking to take the next step AFTER your next step this is the book for you. I

recently came back from Autodesk University 2015 and several of the people mentioned in this book were not only speaking on this subject, but were demonstrating it live! Buckle up for a brain-dense read and its ok if some of it doesn't make sense right away. Better to be hit with the knowledge gently now, than be ambushed by it later. In this book you will learn about how so many firms are leveraging data and applying it to their workflows and culture. Even if you don't absorb all 25, there are more than enough strategies to glean from this book. You will look back in 5 years and see everything said in this book become mainstream and the "new norm" in architecture. Or else, as Brian Ringley put it, "Bye bye."

This book is a must-read for architects who want to remain competitive and viable in the foreseeable future. Data is everywhere. As architects, we generate a considerable amount of it in our daily practice. Randy's prescient book points out how we architects can capitalize on the data we're generating to design better buildings with fewer resources. Full disclosure - one of my projects appears in the book. That said, I've experienced first-hand the value of capturing and analyzing data in my own practice. I applaud Randy for the research and effort he put into the book. It's thorough and well-written. Yes, the images aren't in color, but that doesn't take away from the importance and timeliness of its message. I highly recommend "Data-Driven Design and Construction".

The book has lots of great interviews with AECO industry leaders discussing how they use data, but it lacks concrete evidence for ways your firm can use data going forwards or examples to follow. Also, the book will contain random shoutouts from these interviews that just take up more space in the book. The book can adequately be summed up in three parts: Sefaira, BIM, Industry Interviews.

I think this book gives us a good understanding of where the AEC industry is in terms of leveraging data, shows us the direction that the early adopters are going and shares their successes and failures and suggests good ways to start this journey towards data maturity. This book also has very nice quotes which you can always go back to when you run out of words in presentations.

It is a book of interviews collection. I would like to see more procedure of using software on a project as an example.

All the images are black and white. I'm surprised a book about data with lots of great graphs and charts is not in color. It makes the data they are trying to show hard to understand.

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