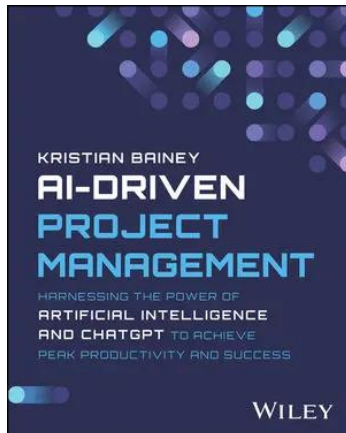


PM WORLD BOOK REVIEW



Book Title: ***AI-Driven Project Management: Harnessing the Power of Artificial Intelligence and ChatGPT to Achieve Peak Productivity and Success¹***

Author: **Kristian Bainey**

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Reviewer: **Soheila Sadeghi**, PhD student, PMI Member

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Introduction

Artificial intelligence (AI) has revolutionized various aspects of our lives, and project management (PM) is no exception. "*AI-Driven Project Management: Harnessing the Power of Artificial Intelligence and ChatGPT to Achieve Peak Productivity and Success*" by Kristian Bainey explains in detail how AI, specifically ChatGPT, can transform project managers' everyday operations and provides a comprehensive guide. For project managers navigating the complexities of modern project management with AI, the book offers clear and straightforward guidance about integrating ChatGPT and AI. This will streamline processes, improve decision-making, and improve productivity in their projects. This book emphasizes four key areas where project leaders can significantly enhance their outcomes using AI's data-driven capabilities in PM-AI: a) enhanced decision-making and risk management, b) optimization and efficiency, c) innovation and strategic insights, and d) ethics, bias reduction, and quality control.

Overview of Book's Structure

The book is divided into six comprehensive parts, totaling 19 chapters, each focusing on integrating AI and ChatGPT into project management practices. Part I lays the foundation by introducing AI, ChatGPT, and their relevance to project management. It also explores AI implications in various project management approaches, such as predictive, Agile, and hybrid methodologies. Moreover, this part examines the impact of AI on project management and how to navigate ethical challenges in PM-AI. Part II, "Unleashing the Power of ChatGPT," focuses on the practical applications of ChatGPT on projects. It offers valuable insights into implementing ChatGPT for enhanced communication, decision-making, and managing risks and ethics.

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Part III is the core of the book that focuses on the art of prompt engineering. It covers various project management processes, knowledge areas, and industry-specific scenarios with real-world use cases and prompts tailored for project managers. It also explores different project development approaches, such as waterfall, Agile, and hybrid, and provides tips and tricks for using ChatGPT effectively. Part IV, "AI in Action: Practical Applications for Project Management," highlights advanced features of ChatGPT and how they can be applied to project predictive data-driven analysis, professional development, and the harmonious blend of AI and human talent in projects. Part V explores secure AI implementation strategies, covering principles, AI model integration, and PM-AI opportunities. This section discusses fine-tuning and customizing AI models and the AI model development lifecycle, including a step-by-step guide on fine-tuning using Azure OpenAI Studio. ChatGPT's power and limitations in project management are also discussed.

Lastly, Part VI explores the future impact of AI on project management and expertise across various industries, discussing the rise of multimodal and identifying areas where project managers can specialize in the PM-AI domain. In addition, current and future trends in IT, healthcare, education, construction, and retail are examined, as well as what needs to be done to keep pace.

Highlights

Bainey outlines a comprehensive roadmap for leveraging AI and ChatGPT to boost project management productivity and success. The book's logical progression will allow readers to expand their knowledge and skills in AI-driven project management in a systematic manner.

This book also stands out for its extensive collection of real-world use case scenarios and powerful user prompts. Bainey shares prompt engineering best practices and a structured "RACFT" approach (Role, Ask, Context, Format, Tone) for crafting ChatGPT queries that generate highly relevant and actionable responses. It equips readers with a valuable toolkit they can readily adapt to their own projects, covering the entire project lifecycle and knowledge areas.

Furthermore, beyond the technical nuts and bolts of implementing AI in project management, the book covers the ethical implications, risks, and human factors surrounding the responsible use of AI in project management. Bainey emphasizes the importance of preserving human judgment, empathy, and creative problem-solving while leveraging AI's efficiency gains. He advocates for a "human-in-the-loop" approach and provides guidance on addressing issues like data privacy, algorithmic bias, and transparency when integrating AI into organizational processes. Additionally, the book foreshadows the rise of new PM-AI roles and skill sets.

Highlights: What I liked!

Another valuable component of the book that I found particularly valuable was Bainey's introduction to the PM-AI Modality Model in Part V. This model emphasizes the importance of applying AI's advanced natural language processing and data analysis capabilities by using prompt engineering and fine-tuning techniques, as well as recognizing that human intelligence is crucial to strategic decision-making, stakeholder engagement, and ethical oversight. He addresses how to empower employees to work alongside AI, while also tackling issues related

to job security, upskilling, and ethics. This guidance helps establish a harmonious and productive human-AI partnership.

Secondly, I was impressed by how the book looks forward to the future impact of AI on project management in an age of rapid technological advancements. As AI technology evolves, so too must project managers' skills and knowledge. This future-oriented approach is critical for professionals who want to remain competitive, relevant, and impactful in their roles as project managers in the AI era. This is especially important given Gartner's prediction that by 2030, 80% of project management tasks will be powered by AI, driven by big data, machine learning (ML), and natural language processing.

Who might benefit from the Book

The book is timely and relevant for any project manager or team leader, regardless of industry or level of experience, who wants to stay ahead of the curve in the rapidly evolving age of intelligent automation. Moreover, since organizations currently conduct many of their activities as projects, Baine's comprehensive yet accessible approach makes the book suitable for a wide range of readers, from those with a basic understanding of project management principles to more advanced practitioners looking to deepen their expertise in AI applications.

Conclusion

As artificial intelligence technologies like ChatGPT rapidly advance and transform the way we work, it's clear that project managers who fail to adapt risk being left behind. Baine's extensive expertise in the field, combined with his engaging writing style and practical insights, makes this book an essential resource for project managers highlighting a key trend in project management: the rise of artificial intelligence.

For more about this book, go to: <https://www.wiley.com/en-us/AI-Driven+Project+Management%3A+Harnessing+the+Power+of+Artificial+Intelligence+and+ChatGPT+to+Achieve+Peak+Productivity+and+Success-p-9781394232222>

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About the Reviewer



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Soheila Sadeghi is a Ph.D. student in Organizational Leadership and Evaluation at the University of the Incarnate Word and a Master of Business Administration (M.B.A.). She has more than 10 years of leadership and project management experience in the manufacturing industry. Her extensive experience includes planning and executing high-stakes projects, leading sales and operations, and managing procurement processes.

Ms. Sadeghi has diverse experience in industry and academia. Her research interests focus on the intersection of Artificial Intelligence and project management. She has published several peer-reviewed articles and presented at international conferences on topics such as machine learning in project management, AI in education, and finance management. She also is a peer-reviewer for journals such as the Review of Education, Leadership and Policy in Schools, and various American Educational Research Association (AERA) journals. Her work has been recognized with awards, including the Emerging Scholar Award from UIW for two years.

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