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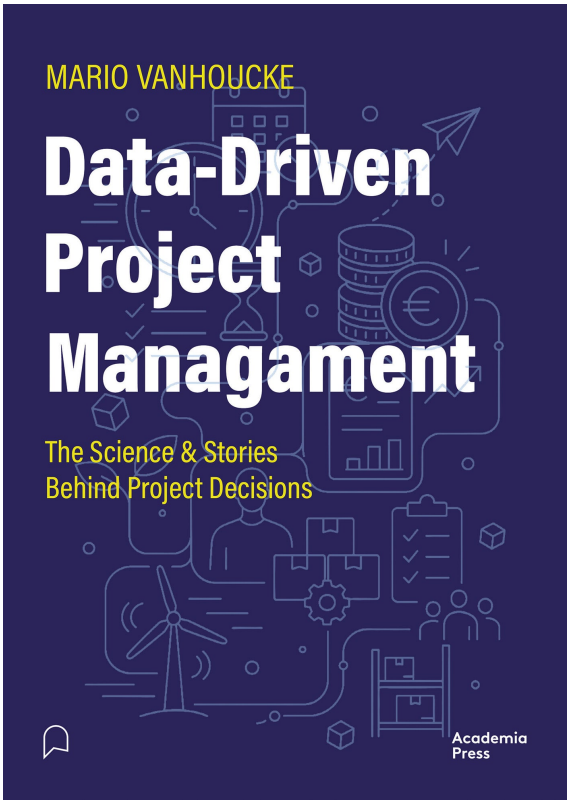

Data-Driven Project Management

The Science & Stories Behind Project Decisions

Mario Vanhoucke

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- **From theory to real decisions:** This book goes beyond formulas by showing how data supports real project decisions
- **Learn through stories and experiments:** The concepts come alive through engaging project stories and real-life case studies
- **A complete, data-driven perspective:** The chapters connect planning, risk, resources and control into one integrated approach
- Turns project data into clear, actionable decision framework. It's not just theory
- Combines storytelling, experiments and analytics to deepen understanding
- Part I covers the foundations of project management, spanning the full project lifecycle: planning, risk analysis, resource allocation and project control. Part II presents real-life case studies that can be used during lectures. Part III provides real data, practical tools and insights that can be applied immediately in practice

This book offers a data-driven approach to project management, focusing on planning, risk analysis, resource management and project control. It combines theoretical foundations with practical case studies and tools, enabling readers to analyse real project data and make well-informed decisions. By integrating methods such as network analysis, Monte Carlo simulation and Earned Value Management, it provides a coherent framework for managing projects under uncertainty.

Mario Vanhoucke is a professor of project management and data analysis at Ghent University, Vlerick Business School and UCL School of Management (UK). His research and teaching focus on project planning, risk analysis and data-driven decision-making. He is the author of several books on project management and develops practical tools and datasets to support project management.

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