

1. Record Nr.	UNINA9910917188603321
Autore	Rankovic Nevena
Titolo	Recent Advances in Artificial Intelligence in Cost Estimation in Project Management // by Nevena Rankovic, Dragica Rankovi, Mirjana Ivanovic, Ljubomir Lazi
Pubbl/distr/stampa	Cham : , : Springer Nature Switzerland : , : Imprint : Springer, , 2024
ISBN	9783031765728 3031765729
Edizione	[1st ed. 2024.]
Descrizione fisica	1 online resource (422 pages)
Collana	Artificial Intelligence-Enhanced Software and Systems Engineering, , 2731-6033 ; ; 6
Altri autori (Persone)	RankoviDragica IvanovicMirjana LaziLjubomir
Disciplina	006.3
Soggetti	Computational intelligence Artificial intelligence Project management Computational Intelligence Artificial Intelligence Project Management
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Nota di contenuto	Introduction -- Top AI Techniques for Every Phase of Software Project Management -- Use of AI Methods in Software Project Scheduling -- AI in Software Effort Estimation -- AI in Risk Management -- AI in Project Resource Management -- AI software project management tools -- Conclusion -- Optimizing Effort and Cost Estimation: Model Implementation using Artificial Neural Networks and Taguchi's Orthogonal Vector Plans.
Sommario/riassunto	This book focuses on the practical application of AI tools and techniques in software project management, offering detailed theoretical explanations and practical examples of over 40 state-of-the-art machine learning and deep learning algorithms applied across each project phase, as well as in risk and resource management. Helping the business world estimate projects more accurately while

saving costs and resources is crucial in today's rapidly changing, fast-paced technological landscape. Moreover, it presents specific aspects of combined approaches through ensemble models, incorporating Taguchi's optimization method to further improve estimation accuracy, advancing this area of software project management. A valuable resource for students and professionals to deepen their knowledge and skills, it also serves as a great manual for companies adopting smarter strategies to manage and develop projects more efficiently and effectively.

---