

1. Record Nr.	UNINA9910743344303321
Autore	Dev Arun Kr.
Titolo	Ship Repairing : Analyses and Estimates / / by Arun Kr Dev, Makaraksha Saha, George Bruce
Pubbl/distr/stampa	Singapore : , : Springer Nature Singapore : , : Imprint : Springer, , 2022
ISBN	981-16-9468-0 981-16-9467-2
Edizione	[1st ed. 2022.]
Descrizione fisica	1 online resource (288 pages)
Collana	Springer Series on Naval Architecture, Marine Engineering, Shipbuilding and Shipping, , 2194-8453 ; ; 12
Disciplina	623.8200288
Soggetti	Marine engineering Project management Transportation engineering Traffic engineering Engineering design Industrial engineering Production engineering Offshore structures Marine Engineering Project Management Transportation Technology and Traffic Engineering Engineering Design Industrial and Production Engineering Offshore Engineering
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Nota di bibliografia	Includes bibliographical references and index.
Nota di contenuto	Introduction -- Data Collection and Illustrations -- Analysis of Repairing Time -- Analysis of Docking Time -- Analysis of Repairing Labor -- Hull Coating Renewal Area.
Sommario/riassunto	This book highlights the relationship between independent and dependent ship repairing variables of various combinations under linear and nonlinear form using actual data collected from shipyards. Independent variables refer to age, deadweight, cubic number,

principal dimensions, and type of ships. Dependent variables refer to repairing time, docking time, repairing labor, docking labor, hull blasting renewal area, hull painting renewal area, pipe renewal length, structural steel renewal weight, and structural steel renewal locations. Mathematical models are developed involving appropriate variables using multiple linear regression analysis technique for different combinations of variables of ship repair. Adequacy of models is tested using statistical parameters like coefficients of multiple determination and F statistic (calculated and tabulated). Also, validation is presented to determine the deviation of model value from the observed value and their statistical parameters to justify the adequacy of the respective estimate models. The book also emphasises the importance of managing the labor force, reliable data collection and an effective management information system to manage this as well as keeping control of on-going repair contracts.

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