Record Nr. UNISA996499871303316 **Titolo** Africa case studies in operations research: a closer look into applications and algorithms / / Hatem Masri, editor Pubbl/distr/stampa Cham, Switzerland:,: Springer,, [2022] ©2022 **ISBN** 9783031170089 9783031170072 Descrizione fisica 1 online resource (214 pages) Collana Contributions to management science Disciplina 658.4034 Operations research Soggetti Investigació operativa Congressos Llibres electrònics Lingua di pubblicazione Inglese **Formato** Materiale a stampa Livello bibliografico Monografia Nota di bibliografia Includes bibliographical references. Intro -- Contents -- Traveling Advisor Problem in Occupational Health Nota di contenuto and Safety Field with a Case Study from Egypt -- 1 Introduction -- 2 Occupational Health and Safety Advisory Problem -- 3 Traveling Advisor Problem Vs. Traveling Salesman Problem -- 3.1 The Traveling Salesman Problem: An Overview -- 3.2 Main Differences Between TAP and TSP -- 4 Traveling Advisor Problem with Single Advisor -- 5 A Real Application Example -- 6 Proposed Methodology -- 6.1 Gaining-Sharing Knowledge-Based Optimization Algorithm (GSK) -- 6.2 Binary Gaining-Sharing Knowledge-Based Optimization Algorithm (BGSK) --6.2.1 Binary Initialization -- 6.2.2 Binary Junior Gaining and Sharing Stage -- 6.2.3 Binary Senior Gaining and Sharing Stage -- 7 Experimental Results -- 8 Conclusions and Points for Future Research -- References -- Data Envelopment Analysis for Healthcare Systems Assessment: Review and Applications from Tunisia -- 1 Introduction --2 Main Features of the DEA Approach -- 2.1 Main DEA Models -- 2.2 Types of Scale Efficiency -- 2.3 Calculation of the Efficiency Scores --

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