Record Nr. UNINA9910497106503321 Autore Arcari Bassani Marcel Antonio Titolo Geostatistics with Data of Different Support Applied to Mining Engineering [[electronic resource] /] / by Marcel Antonio Arcari Bassani, João Felipe Coimbra Leite Costa Cham:,: Springer International Publishing:,: Imprint: Springer,, Pubbl/distr/stampa 2022 3-030-80193-4 ISBN Edizione [1st ed. 2022.] 1 online resource (XI, 75 p. 49 illus., 45 illus. in color.) Descrizione fisica Collana Topics in Mining, Metallurgy and Materials Engineering, , 2364-3307 Disciplina 624.15 Soggetti Engineering geology Engineering—Geology **Foundations Hydraulics** Geoengineering, Foundations, Hydraulics Electronic books. Lingua di pubblicazione Inglese **Formato** Materiale a stampa Livello bibliografico Monografia Chapter 1 - Introduction -- Chapter 2 - Kriging with data of different Nota di contenuto support -- Chapter 3 - Simulation with data of different support --Chapter 4 - Change of support in the variogram -- Chapter 5 - Case study of kriging with data of different support -- Chapter 6 - Case study of direct sequential simulation with data of different support --Chapter 8 - Case study of sequential indicator simulation with data of different support -- Chapter 9 - Conclusions. This book explains the integration of data of different support in Sommario/riassunto Geostatistics. There is a common misconception in the mining industry that the data used for estimation/simulation should have the same size or support. However, Geostatistics provides the tools to integrate several types of information that may have different support. This book aims to explain these geostatistical tools and provides several examples of applications. The book is directed for a broad audience, including engineers, geologists, and students in the area of Geostatistics.