



Tools for Constructing Chronologies

By Buck, Caitlin E. / Millard, Andrew R.

Book Condition: New. Publisher/Verlag: Springer, Berlin | Crossing Disciplinary Boundaries | Tools for Constructing Chronologies focuses on ways of getting more out of existing chronological data by careful analysis. It surveys a range of cutting edge methods in chronology construction and seeks to enable cross-disciplinary fertilisation of ideas. The specially invited papers cover a range of timescales, from the perspectives of a number of disciplines. The methods used range from complex statistical treatments, to (non-statistical) considerations of how to systematically represent relative dating information. Each chapter can be read alone, but they are also carefully cross-referenced. The editors' introductory essay provides a cross-disciplinary overview of the state of chronology construction methods, and highlights the links between them. This book will appeal to a wide range of researchers, scientists and graduate students using chronologies in their work; from applied statisticians to archaeologists, geologists and paleontologists, to those working in bioinformatics and chronometry. | 1 Bayesian Chronological Data Interpretation: Where Now?.- 2 Pragmatic Bayesians: a Decade of Integrating Radiocarbon Dates into Chronological Models.- 3 Bayesian Inference of Calibration Curves: Application to Archaeomagnetism.- 4 The Synchronization of Civilizations in the Eastern Mediterranean in the Second Millennium BC: Natural Science Dating Attempts.- 5 Applications...



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