

1. Record Nr.	UNINA9910502625203321
Autore	Petrelli Maurizio
Titolo	Introduction to Python in earth science data analysis : from descriptive statistics to machine learning / / Maurizio Petrelli
Pubbl/distr/stampa	Cham, Switzerland : , : Springer, , [2021] ©2021
ISBN	3-030-78055-4
Descrizione fisica	1 online resource (229 pages)
Collana	Springer textbooks in earth sciences, geography and environment
Disciplina	550.285
Soggetti	Geology - Data processing
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Nota di contenuto	Intro -- Preface -- Acknowledgments -- Overview -- Let me Introduce Myself -- Organization of Book -- Styling Conventions -- Shared Codes -- Involvement and Collaborations -- Contents -- Part I Python for Geologists: A Kickoff -- 1 Setting Up Your Python Environment, Easily -- 1.1 The Python Programming Language -- 1.2 Programming Paradigms -- 1.3 A Local Python Environment for Scientific Computing -- 1.4 Remote Python Environments -- 1.5 Python Packages for Scientific Applications -- 1.6 Python Packages Specifically Developed for Geologists -- 2 Python Essentials for a Geologist -- 2.1 Start Working with IPython Console -- 2.2 Naming and Style Conventions -- 2.3 Working with Python Scripts -- 2.4 Conditional Statements, Indentation, Loops, and Functions -- 2.5 Importing External Libraries -- 2.6 Basic Operations and Mathematical Functions -- 3 Solving Geology Problems Using Python: An Introduction -- 3.1 My First Binary Diagram Using Python -- 3.2 Making Our First Models in Earth Science -- 3.3 Quick Intro to Spatial Data Representation -- Part II Describing Geological Data -- 4 Graphical Visualization of a Geological Data Set -- 4.1 Statistical Description of a Data Set: Key Concepts -- 4.2 Visualizing Univariate Sample Distributions -- 4.3 Preparing Publication-Ready Binary Diagrams -- 4.4 Visualization of Multivariate Data: A First Attempt -- 5 Descriptive Statistics 1: Univariate Analysis -- 5.1 Basics of Descriptive Statistics -- 5.2 Location -- 5.3 Dispersion or Scale -- 5.4 Skewness -- 5.5 Descriptive Statistics in Pandas -- 5.6

Box Plots -- 6 Descriptive Statistics 2: Bivariate Analysis -- 6.1
Covariance and Correlation -- 6.2 Simple Linear Regression -- 6.3
Polynomial Regression -- 6.4 Nonlinear Regression -- Part III Integrals
and Differential Equations in Geology -- 7 Numerical Integration --
7.1 Definite Integrals.
7.2 Basic Properties of Integrals -- 7.3 Analytical and Numerical
Solutions of Definite Integrals -- 7.4 Fundamental Theorem of Calculus
and Analytical Solutions -- 7.5 Numerical Solutions of Definite Integrals
-- 7.6 Computing the Volume of Geological Structures -- 7.7
Computing the Lithostatic Pressure -- 8 Differential Equations -- 8.1
Introduction -- 8.2 Ordinary Differential Equations -- 8.3 Numerical
Solutions of First-Order Ordinary Differential Equations -- 8.4 Fick's
Law of Diffusion-A Widely Used Partial Differential Equation -- Part IV
Probability Density Functions and Error Analysis -- 9 Probability
Density Functions and Their Use in Geology -- 9.1 Probability
Distribution and Density Functions -- 9.2 The Normal Distribution --
9.3 The Log-Normal Distribution -- 9.4 Other Useful PDFs for
Geological Applications -- 9.5 Density Estimation -- 9.6 The Central
Limit Theorem and Normal Distributed Means -- 10 Error Analysis --
10.1 Dealing with Errors in Geological Measurements -- 10.2 Reporting
Uncertainties in Binary Diagrams -- 10.3 Linearized Approach to Error
Propagation -- 10.4 The Monte Carlo Approach to Error Propagation --
Part V Robust Statistics and Machine Learning -- 11 Introduction to
Robust Statistics -- 11.1 Classical and Robust Approaches to Statistics
-- 11.2 Normality Tests -- 11.3 Robust Estimators for Location and
Scale -- 11.4 Robust Statistics in Geochemistry -- 12 Machine Learning
-- 12.1 Introduction to Machine Learning in Geology -- 12.2 Machine
Learning in Python -- 12.3 A Case Study of Machine Learning in
Geology -- Appendix A Python Packages and Resources for Geologists
-- A.1 Python Libraries for Geologists -- A.2 Python Learning
Resources for Geologists -- Appendix B Introduction to Object Oriented
Programming -- B.1 Object-Oriented Programming -- B.2 Defining
Classes, Attributes, and Methods in Python.
Appendix C The Matplotlib Object Oriented API -- C.1 Matplotlib
Application Programming Interfaces -- C.2 Matplotlib Object Oriented
API -- C.3 Fine Tuning Geological Diagrams Using the OO-Style --
Appendix D Working with Pandas -- D.1 How to Perform Common
Operations in Pandas -- Appendix Further Readings.

2. Record Nr.	UNINA9910300025503321
Autore	McCormack Jess
Titolo	Choreography and Verbatim Theatre : Dancing Words // by Jess McCormack
Pubbl/distr/stampa	Cham : , : Springer International Publishing : , : Imprint : Palgrave Pivot, , 2018
ISBN	3-319-92019-7
Edizione	[1st ed. 2018.]
Descrizione fisica	1 online resource (147 pages)
Disciplina	792.8072
Soggetti	Dance Performing arts Theater Performing Arts Contemporary Theatre
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Nota di contenuto	1 -- Choreography as a Translation Process -- 2. Dancing Other People's Words: Verbatim Dance-Theatre -- 3. DV8 Physical Theatre's Verbatim Dance-Theatre: How might choreography be developed in verbatim performance? -- 4. Making Verbatim Dance-Theatre -- 5. Choreographed Dialogue.
Sommario/riassunto	How might spoken words be translated into choreography? This book addresses the field of verbatim dance-theatre, around which there is currently limited existing scholarly writing. Grounded in extensive research, the project combines dance studies and performance studies theory, detailed analysis of professional choreographic work and examples of experimental practice to then employ the framework of translation studies in order to consider what a focus on movement and an attempt to dance/move other people's words can offer to the field of verbatim theatre. It investigates ways to understand, articulate and engage in the process of choreographing movement as a response to verbatim spoken language. It is directed at an international audience of dance studies scholars, theatre and performance studies scholars and dance-theatre practitioners, and it would be appropriate reading

material for undergraduate students seeking to develop their understanding of choreographic processes that use written/spoken text as a starting point and graduate students working in the area of adaptation, verbatim theatre, physical theatre or devised theatre.
