

1. Record Nr.	UNINA9910700560303321
Titolo	Excess cervical cancer mortality [[electronic resource]] : a marker for low access to health care in poor communities : an analysis / / Center to Reduce Cancer Health Disparities ; [edited by Barbara K. Wingrove]
Pubbl/distr/stampa	Bethesda, MD : , : U.S. Dept. of Health and Human Services, National Institutes of Health, National Cancer Institute, , [2005]
Descrizione fisica	1 online resource (96 unnumbered pages) : color illustrations, color maps
Collana	NIH publication ; ; no. 05-5282
Altri autori (Persone)	WingroveBarbara K
Soggetti	Cervix uteri - Cancer - United States Medically underserved areas - United States Health services accessibility - United States Poor - Medical care - United States Conference papers and proceedings. Statistics.
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Title from PDF title screen (viewed on Oct. 28, 2005). "The analysis presented in this report represents a synthesis of the findings of a Roundtable colloquium and two Think Tank meetings convened by the NCI Center to Reduce Cancer Health Disparities"--P. [5]. "June 2005"--P. [96].
Nota di bibliografia	Includes bibliographical references (page [63-68]).

2. Record Nr.	UNINA9910960415303321
Autore	Menke William
Titolo	Geophysical data analysis : discrete inverse theory / / William Menke
Pubbl/distr/stampa	Amsterdam ; ; Boston, : Elsevier/AP, 2012
ISBN	9781283735124 1283735121 9780123977847 0123977843
Edizione	[Matlab ed., 3rd ed.]
Descrizione fisica	1 online resource (331 p.)
Disciplina	551
Soggetti	Geophysics - Measurement Inverse problems (Differential equations) - Numerical solutions Oceanography - Measurement
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Description based upon print version of record.
Nota di bibliografia	Includes bibliographical references and index.
Nota di contenuto	Front Cover; Geophysical Data Analysis: Discrete Inverse Theory; Copyright; Dedication; Preface; Reference; Companion Web Site; Contents; Introduction; I.1. Forward and Inverse Theories; I.2. MatLab as a Tool for Learning Inverse Theory; I.3. A Very Quick MatLab Tutorial; I.4. Review of Vectors and Matrices and Their Representation in MatLab; I.5. Useful MatLab Operations; I.5.1. Loops; I.5.2. Loading Data from a File; I.5.3. Plotting Data; I.5.4. Creating Character Strings Containing the Values of Variables; I.5.4 References; Chapter 1: Describing Inverse Problems 1.1. Formulating Inverse Problems1.1.1. Implicit Linear Form; 1.1.2. Explicit Form; 1.1.3. Explicit Linear Form; 1.2. The Linear Inverse Problem; 1.3. Examples of Formulating Inverse Problems; 1.3.1. Example 1: Fitting a Straight Line; 1.3.2. Example 2: Fitting a Parabola; 1.3.3. Example 3: Acoustic Tomography; 1.3.4. Example 4: X-ray Imaging; 1.3.5. Example 5: Spectral Curve Fitting; 1.3.6. Example 6: Factor Analysis; 1.4. Solutions to Inverse Problems; 1.4.1. Estimates of Model Parameters; 1.4.2. Bounding Values; 1.4.3. Probability Density Functions 1.4.4. Sets of Realizations of Model Parameters1.4.5. Weighted

Averages of Model Parameters; 1.5. Problems; 1.5 References; Chapter 2: Some Comments on Probability Theory; 2.1. Noise and Random Variables; 2.2. Correlated Data; 2.3. Functions of Random Variables; 2.4. Gaussian Probability Density Functions; 2.5. Testing the Assumption of Gaussian Statistics; 2.6. Conditional Probability Density Functions; 2.7. Confidence Intervals; 2.8. Computing Realizations of Random Variables; 2.9. Problems; 2.9 References; Chapter 3: Solution of the Linear, Gaussian Inverse Problem, Viewpoint 1
 3.1. The Lengths of Estimates 3.2. Measures of Length; 3.3. Least Squares for a Straight Line; 3.4. The Least Squares Solution of the Linear Inverse Problem; 3.5. Some Examples; 3.5.1. The Straight Line Problem; 3.5.2. Fitting a Parabola; 3.5.3. Fitting a Plane Surface; 3.6. The Existence of the Least Squares Solution; 3.6.1. Underdetermined Problems; 3.6.2. Even-Determined Problems; 3.6.3. Overdetermined Problems; 3.7. The Purely Underdetermined Problem; 3.8. Mixed-Determined Problems; 3.9. Weighted Measures of Length as a Type of A Priori Information; 3.9.1. Weighted Least Squares
 3.9.2. Weighted Minimum Length 3.9.3. Weighted Damped Least Squares; 3.10. Other Types of A Priori Information; 3.10.1. Example: Constrained Fitting of a Straight Line; 3.11. The Variance of the Model Parameter Estimates; 3.12. Variance and Prediction Error of the Least Squares Solution; 3.13. Problems; 3.13 References; Chapter 4: Solution of the Linear, Gaussian Inverse Problem, Viewpoint 2; 4.1. Solutions Versus Operators; 4.2. The Data Resolution Matrix; 4.3. The Model Resolution Matrix; 4.4. The Unit Covariance Matrix; 4.5. Resolution and Covariance of Some Generalized Inverses
 4.5.1. Least Squares

Sommario/riassunto

Since 1984, Geophysical Data Analysis has filled the need for a short, concise reference on inverse theory for individuals who have an intermediate background in science and mathematics. The new edition maintains the accessible and succinct manner for which it is known, with the addition of: MATLAB examples and problem sets Advanced color graphics Coverage of new topics, including Adjoint Methods; Inversion by Steepest Descent, Monte Carlo and Simulated Annealing methods; and Bootstrap algorithm for determining empirical confidence intervals Online da
